Copyright

Fujitsu Limited has made every effort to ensure the accuracy and completeness of this document. However, as ongoing development efforts are continually improving the capabilities of our products, we cannot guarantee the accuracy of the contents of this document. We disclaim liability for errors, omissions or future changes.

LifeBook is a trademark of Fujitsu Limited.

Microsoft, Windows, MS, MS-DOS, Windows NT, Windows XP, Windows Vista and Windows 7 are registered trademarks of the Microsoft Corporation of the United States in the United States and other countries.

Phoenix is a registered trademark of Phoenix Technologies Corporation of the United States.

Copyright© 1981-1999 Microsoft Corporation, All rights reserved.

Copyright© 1999 Phoenix Technologies, Ltd., All rights reserved.

Other product names are trademarks or registered trademarks of their respective companies.

© Copyright 2010 Fujitsu Limited. All rights reserved. No part of this publication may be copied, reproduced or translated, without the prior written consent of Fujitsu Limited. No part of this publication may be stored or transmitted in any electronic form without the written consent of Fujitsu Limited.

Operations are subject to the following two conditions:

(1) This device may not be allowed to cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

Website: www.hk.fujitsu.com/pc

DECLARATION OF CONFORMITY
according to FCC Part 15

This device complies with Part 15 of the FCC rules. Operations are subject to the following two conditions: (1) This device must not be allowed to cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions carefully. Save these instructions for future reference.

2. Follow all warnings and instructions marked on the product.

3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

4. Do not use this product near water.

5. Do not place this product on an unstable cart, stand or table. The product may fall, causing serious damage to the product.

6. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat register or in a built-in installation unless proper ventilation is provided.

7. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.

8. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.

9. If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed 15 amperes.

10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points that could result in a fire or electric shock. Never spill liquid of any kind on the product.

11. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.

12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a. When the power cord or plug is damaged or frayed.
    b. If liquid has been spilled into the product.
    c. If the product has been exposed to rain or water.
    d. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.
    e. If the product has been dropped or the cabinet has been damaged.
    f. If the product exhibits a distinct change in performance, indicating a need for service.

13. **CAUTION: When replacing the battery, be sure to install it with the polarities in the correct position. There is a danger of explosion if the battery is replaced with an incorrect type or is mistreated. Do not recharge, disassemble or dispose of in fire. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of the used battery according to the manufacturer's instructions.**

14. Use only the proper type of power supply cord set (provided in your accessories box) for this unit. It should be a detachable type: UL listed/CSA certified, BS1363, ASTA, SS145 certified, rated 10A 250V minimum, VDE approved or its equivalent. Maximum length is 15 feet (4.6 meters).

Proper Disposal of Battery

Under federal, state or local law, it may be illegal to dispose of batteries by putting them in the rubbish bin or trash cans. Please take care of our environment and dispose of batteries properly. Check with your local government authority for details regarding recycling or disposing of unwanted batteries.

NOTE ON USE REQUIRED HIGH SAFETY

This product is designed and manufactured for general use, including general office use, personal use, household use and ordinary industrial use.

This product is not designed for or intended for use under dangerous (fatal) conditions, unless extreme safety precautions are implemented.

Do not use this product without implementing high-level safety precautions.

Failure to follow this warning may result in death, personal injury, severe physical damage or other loss, if used in or near any or more of the following:

- nuclear reaction control system in a nuclear facility
- automatic flight control system in an airplane or other flight control system
- mass transport control system
- medical instruments for life support system
- missile launching control for weapon system

NOTE ON BACKUP DATA

Please make a backup of the Operating System, any software programs, and created files (and update regularly).

If you send this product to Fujitsu, or any of its affiliates, suppliers, service providers or resellers for repair, Fujitsu does not guarantee the data integrity. It is your responsibility to back data up beforehand.

Fujitsu does not assume any obligation for compensation for damages, data integrity, or restoration, etc., if your data is lost for any reason, except as written in the warranty.

AUSTRALIAN WARNINGS
WARNING

FOR SAFETY REASONS, ONLY CONNECT EQUIPMENT WITH A TELECOMMUNICATIONS COMPLIANCE LABEL. THIS INCLUDES CUSTOMER EQUIPMENT PREVIOUSLY LABELLED PERMITTED OR CERTIFIED.

Connection of Non Certified/Approved peripherals may result in the equipment operating outside the Australian EMI Standards.

Modems connected to the Australian telecommunications network must be operated in accordance with the Labelling Notice. This modem has been specifically configured to ensure compliance with the ACA Standards. Do not adjust your modem or software outside the values indicated below. To do so would result in your modem being operated in a non-compliant manner.

Call Attempts/Retries:

Applications software shall be configured so that no more than 3 attempts are made to establish a connection to a given number (Note: if the modem can detect service tones, up to 10 attempts can be made). If the call sequence is unsuccessful, there shall be a delay of at least 30 minutes before attempting to call the number again.

Failure to set the modem and any application software used with the modem, to the values shown above will result in the modem being operated in a non-compliant manner. Consequently, this would be in violation of the Labelling Notice for this equipment and the Telecommunications Act 1997 prescribes penalties for the connection of non-compliant equipment.

NEW ZEALAND WARNINGS

The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

This equipment is not capable under all operating conditions of correct operation at the higher speeds for which it is designed. 56 KBPS connections are likely to be restricted to lower bit rates when connected to some PSTN implementations. Telecom will accept no responsibility should difficulties arise in such circumstances.

Immediately disconnect this equipment should it become physically damaged, and arrange for its disposal or repair.

This equipment shall not be used in any manner, which could constitute a nuisance to other Telecom customers.

This equipment shall not be set to make automatic calls to the Telecom "111" Emergency Service.

This device is equipped with pulse dialing while the New Zealand standard is DTMF tone dialing. There is no guarantee that Telecom lines will always continue to support pulse dialing. It is strongly recommended that pulse dialing is not used.

Some parameters required for compliance with Telecom's Telepermit requirements are dependent on the equipment (PC) associated with this device. The associated equipment shall be set to operate within the following limits for compliance with Telecom's Specifications:

For repeat calls to the same number.

There shall be no more than 10 call attempts to the same number within any 30 minute period for any single manual call initiation and the equipment shall go on-hook for a period of not less than 30 seconds between the end of one attempt and the beginning of the next attempt.

For Automatic calls to different numbers.

The equipment shall go on-hook for a period of not less than 5 seconds between the end of one attempt and the beginning of the next attempt.

For Automatically answered Incoming Calls.

Incoming calls shall be answered between 3 and 30 seconds from the start of the ringing.

For correct operation, the total of the RNs of all devices connected to a single line at anytime should not exceed 5. The RN of this Equipment is 0.5.

WARNING:

CONNECTION OF NON CERTIFIED/ APPROVED PERIPHERALS MAY RESULT IN THE EQUIPMENT OPERATING OUTSIDE THE NEW ZEALAND EMI STANDARDS.

NOTE: Modem setting in Windows Vista/Windows 7

A. If you are located in Australia

1. Click Start select Control panel select "Phone and Modem Options".
2. Choose "Australia" in **What Country/ region are you in now?** pull down menu bar.
3. Select Phone system as "Tone Dialing".
4. Click OK.

Location Information
Before you can make any phone or modem connections, Windows needs the following information about your current location.
What country/region are you in now?
Australia
What area code (or city code) are you in now?
If you need to specify a carrier code, what is it?
If you dial a number to access an outside line, what is it?
The phone system at this location uses:
Tone dialing
Pulse dialing
OK
Cancel

B. If you are located in New Zealand

1. Click start select Control panel select "Phone and Modem Options".
2. Choose "New Zealand in **What Country/ region are you in now?** pull down menu bar.
3. Select Phone system as "Tone Dialing".
4. Click OK.

Location Information
Before you can make any phone or modem connections, Windows needs the following information about your current location.
What country/region are you in now?
New Zealand
What area code (or city code) are you in now?
If you need to specify a carrier code, what is it?
If you dial a number to access an outside line, what is it?
The phone system at this location uses:
Tone dialing
Pulse dialing
OK
Cancel

NOTE:

The screens and illustrations shown in this examples may slightly vary depending on the operating environment that you have installed.

Fujitsu LifeBook® T901 Series Tablet PC

Table of Contents

1
PREFACE

About This Guide 3

2
GETTING TO KNOW YOUR TABLET PC

Locating the Controls and Connectors 7
Top and Front Components 8
Left-Side Panel Components 10
Right-Side Panel Components 11
Rear Panel Components 12
Bottom Components 13

Status Indicator LED 14
Power Indicator 14
AC Adapter Indicator 14
Battery Charging Indicator 14
Battery Level Indicators 15
Security Indicator 15
Disk/Optical Drive Access Indicator 15
Num Lock Indicator 15
Caps Lock Indicator 15
Scroll Lock Indicator 15

Operating Status Indicator LED 16

Running the Notebook on its Battery 17
Recharging the Battery 17
Running the Notebook on its Battery 18
Checking the Power Level of the Battery 18
Low Battery Condition 19

Display Panel 20
Opening the Display Panel 20
Using the System as a Tablet 20
Adjusting Display Panel Brightness 21

Pen and Active Digitizer 23
Using the Pen 23
Calibrating the Pen 24
Replacing the Pen Tip 24
Using the Active Digitizer 25

LifeBook Tablet PC/ Security Buttons 26
Changing Tablet PC Button Functions 27
Setting Up Lifebook Security Panel 28
Passwords 28
Using Your Lifebook Security Panel 29
Precautions 29
Uninstalling The Security Panel Application . 29

3
USING YOUR TABLET PC

Power Sources 35
Connecting the Power Adapters 35

Starting Your Tablet PC 36
Power On 36
Boot Sequence 36
Registering your LifeBook T901 Series Tablet PC 36

Power Management 37
Power/Suspend/Resume Button 37
Suspend Mode 37
Hibernation (Save-To-Disk) Feature 38
Windows Power Management 39
Power Off 39

Using fingerprint authentication.....40
Characteristics of fingerprint authentication 40
OmniPass Enrollment Wizard..... 41
OmniPass Password Replacement function..... 44
Password Management..... 46
File and Folder Encryption..... 47
Backup and Restore OmniPass User Profiles 48
OmniPass Control Center Overview..... 50
Version Information..... 53
Scrolling..... 53

Shock Sensor Utility.....54

4
USER-INSTALLABLE FEATURES

Lithium ion Battery..... 59
Recharging the Batteries..... 59
Replacing the Battery..... 60

Memory Upgrade Module..... 61
Installing Memory Upgrade Module..... 61
Removing a Memory Upgrade Module..... 62
Checking the Memory Capacity..... 62

Modular Bay Devices 63
Fujitsu Tablet Controls CD/DVD Drive Help..... 63
Removing and Installing Modular Devices.... 64

Port Replicator..... 66
Rear Panel Components 66
Front Panel Components..... 67
Attaching the Port Replicator..... 67
Detaching the Port Replicator..... 67

5
TROUBLESHOOTING

Troubleshooting.....71
Identifying the Problem..... 71
Specific Problems..... 71

Note:

- For more detailed information, you can download a soft copy from our Fujitsu website: http://www.hk.fujitsu.com
- For Wireless LAN information, please refer to the help file of Intel PROSet in the Control Panel.
- For Bluetooth information, please refer to the User's Guide in the Bluetooth utility installed on your machine.

1 Preface

Preface

About This Guide

The LifeBook® T901 Series Tablet PC from Fujitsu is a powerful convertible Tablet PC computer. It can be used either as a standard notebook using keyboard input, or in tablet configuration using pen input. It is powered by an Intel® microprocessor, has a built-in color touch screen display, and brings the computing power of desktop personal computers (PCs) to a portable and versatile environment.

This manual explains how to operate your LifeBook T901 Series Tablet PC. Your LifeBook T901 Series Tablet PC is compatible with the IBM® PC AT, and it comes with Windows XP Tablet Edition pre-installed.

Your LifeBook T901 Series Tablet PC is a completely selfcontained unit with an active-matrix (TFT), touchscreen color LCD display. It has a powerful interface that enables it to support a variety of optional features.

Conventions Used in the Guide

Keyboard keys appear in brackets.
Example: [Fn], [F1], [Esc], [Enter] and [Ctrl].

Pages with additional information about a specific topic are cross-referenced within the text.
Example: *(See page xx.)*

On screen buttons or menu items appear in bold.

Example: Click **OK** to restart your Tablet PC.
DOS commands you enter appear in Courier type.

Example: `Shut down the computer?`

POINT

The point icon highlights information that will enhance your understanding of the subject material.

CAUTION

The caution icon highlights information that is important to the safe operation of your computer, or to the integrity of your files. Please read all caution information carefully.

WARNING

The warning icon highlights information that can be hazardous to either you, your computer, or your files. Please read all warning information carefully.

2

Getting to Know Your Tablet PC

Locating the Controls and Connectors

Connectors and peripheral interfaces on the LifeBook T901 Series Tablet PC and the optional Port Replicator allow you to connect a variety of devices. Specific locations are illustrated in Figures 2-4 through 2-7. The table below provides a short description of each icon on the LifeBook T901 Series Tablet PC. Each of the icons is either molded into or printed on the Tablet PC chassis.

Connection	Table PC Icon	Purpose
DC in Connector		Connect an external power source such as the AC adapter or auto/airline adapter.
SD/Memory Stick Slot		The Secure Digital (SD) card/Memory Stick slot allows you to install a flash memory card for data storage. Flash memory cards allow you to transfer data to and from a variety of different digital devices.
Smart Card Slot		The dedicated Smart Card slot allows you to install a Smart Card on which you can store such data as medical information or electronic “cash”.
USB Port		Connect Universal Serial Bus 2.0 or 1.1 compliant devices to the Tablet PC.
Microphone Jack		Connect an external microphone. The internal microphone is disabled when you plug in an external microphone.
Headphone Jack		Connect stereo headphones or powered external speakers. The internal speaker is disabled when you plug in external headphones or powered speakers.
Tablet Dock Port		Connect the T901 Series Tablet PC Port Replicator or other approved docking device. Refer to documentation accompanying the docking device for more information.
Security Lock Slot		The security slot allows you to secure the pen tablet PC using Kensington-compatible locking devices.
Suspend/Resume Button		The Suspend/Resume button allows you to suspend pen Tablet PC activity without powering off, resume your pen tablet PC from suspend mode, and power on the system when it has been shut down from Windows.
IEEE 1394 DV Port		This allows you to connect to a multimedia device with IEEE 1394 port such as a digital video camera.
Local Area		The LAN (RJ-45) jack is used to connect the internal Fast Ethernet (Gigabit Ethernet 1000/100/10Mbps) to a Local Area Network (LAN) in your office or home, or broadband devices such as a cable modem, DSL, or satellite internet.
External Video port		The external video port allows you to connect an external monitor or LCD projector to your computer.
Wireless LAN On-Off Switch		The wireless LAN switch allows you to turn power to the optional wireless LAN device on and off.

Table 2-1 System icons

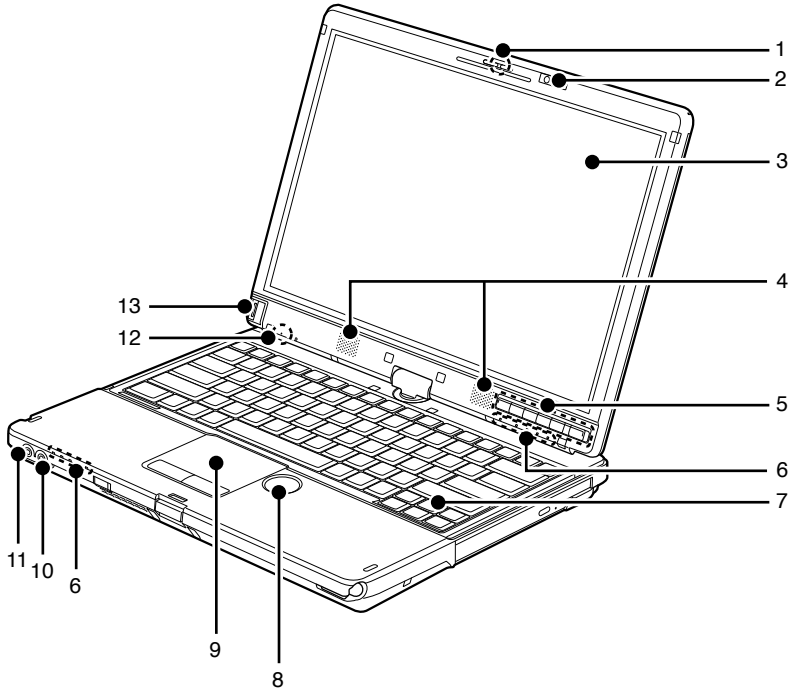


Figure 2-4. LifeBook T901 Series Tablet PC with display open

Top and Front Components

The following is a brief description of the top and front features of the LifeBook T901 Series Tablet PC. *(Figure 2-4)*

1. **Display Panel Latch**
   The display panel latch locks and releases the display panel.

2. **2.0 Mega Pixel Camera**
   The location of the built-in camera.

3. **Display Panel**
   The display panel is a color LCD panel with back lighting for the display of text and graphics and active digitizer functionality.

4. **Speakers**
   The built-in dual speakers provide stereo sound.

5. **LifeBook Tablet PC/Security Button**
   The LifeBook T901 Series Tablet PC/Security Button provide hardware security and application launch capabilities.

6. **Status Indicator LEDs**
   The Status Indicator LEDs displays symbols that correspond to specific components of your LifeBook T901 Series Tablet PC.

7. Spill Resistant Keyboard
A full-function keyboard with dedicated Windows keys.

WARNING

Spill resistant keyboard does not imply the keyboard is water-proof. If liquid is spilled onto the keyboard, power off your notebook immediately and turn the notebook upside down to drain off the liquid.

8. Scroll Wheel
The Scroll Wheel allow you to scroll up and down a document.

POINT

Some applications may not allow you to scroll up and down a document.

9. Touch Pad
The Touch Pad allows you to control the mouse pointer.

10. HDA-In
It allows jack sensing of the following audio input devices.

- **Microphone**
  It allows you to connect a Ø3.5mm mono or stereo microphone to it.

11. HDA-Out
It allows jack sensing of the following audio output devices.

- **Headphone**
  It allows you to connect a Ø3.5mm headphone to it. There are commercially available headphones with different types of connector. Please check the compatibility of these headphones before purchase.

12. Built-in Microphone
The built-in microphones allow for a clearer audio input.

13. Fingerprint Sensor
The Fingerprint Sensor provides an alternative way to Windows logon authentication and homepages logon authentication. Please refer to the section on “Using Fingerprint Authentication” for more details.

POINT

Some applications may not allow you to scroll up and down a document.

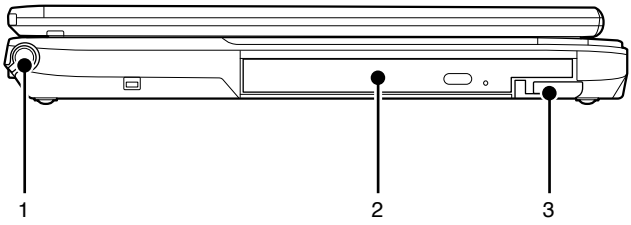


Figure 2-5. LifeBook T901 Series Tablet PC left-side panel

Left-Side Panel Components

Following is a brief description of your Tablet PC's left-side components. *(Figure 2-5)*

1. **Pen**
   The pen is used as the interface with the active digitizer display.

2. **Modular Bay**
   The Modular Bay can accommodate one of the following devices.
   - Modular DVD/CD-RW combo drive
   - Modular Dual Layer DVD Super Multi Writer
   - Modular DVD-ROM drive
   - Modular Lithium ion battery
   - Weight Saver

3. **Modular Bay Eject Lever**
   The Modular Bay eject lever releases the Modular Bay device.

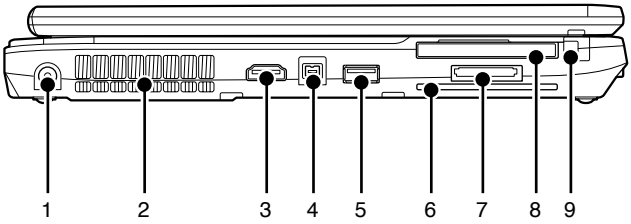


Figure 2-6. LifeBook T901 Series Tablet PC right-side panel

Right-Side Panel Components

Following is a brief description of your Tablet PC's right-side components.

1. **DC Power Jack**
   The DC power jack allows you to plug in the AC adapter to power your Tablet PC and charge the internal Lithium ion Battery.

2. **Air Vents**
   The air vents are used to cool the system to prevent overheating.

CAUTION

Do not obstruct the air vents while the system is running; doing so could cause your system to overheat.

3. **Video Output (HDMI-OUT) Terminal**
   You can use this port to connect to a TV with HDMI-OUT port for high quality video output. The HDMI-OUT port supports both video and audio output.

4. **IEEE 1394 Port**
   You can use this port to connect to a multimedia device with an IEEE 1394 port such as a digital video camera.

5. **USB 3.0 Port**
   The USB 3.0 port allow you to connect Universal Serial Bus devices. USB 3.0 devices transfer data at up to 4.8Gbps and is backward compatible with USB 2.0 devices.

6. **Smart Card Slot**
   The dedicated Smart Card slot allows you to install an optional Smart Card on which you can store such data as medical information or electronic "cash".

7. **SD Card/Memory Stick Slot**
   The Secure Digital (SD) card/Memory Stick slot allows you to install a flash memory card for data storage. Flash memory cards allow you to transfer data to and from a variety of different digital devices.

8. **ExpressCard™ Slot**
   It allows you to connect ExpressCard™ module. There are two sizes of ExpressCard™ module. One is 34mm wide (ExpressCard™/34) and the other is 54mm wide (ExpressCard™/54).
   This LifeBook can support both sizes of ExpressCard™ accessory.

   NOTE: The ExpressCard™ slot in this notebook passed the compliance text setup by the PCMCIA working group.

9. **ExpressCard™ Slot Eject Button**
   You press this button to eject the ExpressCard™ from the slot.

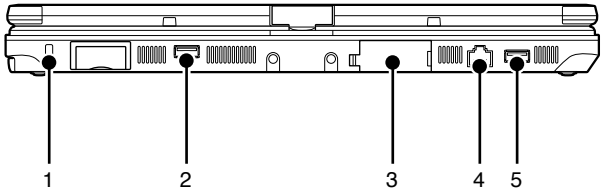


Figure 2-7. LifeBook T901 Series Tablet PC rear panel

Rear Panel Components

1. **Anti-theft Lock Slot**
   The anti-theft lock slot allows you to attach an optional physical lock-down device.

2. **USB 2.0 Port**
   The USB 2.0 ports allow you to connect Universal Serial Bus devices.

3. **External Monitor Port**
   The external monitor port allows you to connect an external VGA or SVGA monitor. Note that when the optional Port Replicator is attached to the system, you must use the external monitor port on the Port Replicator rather than the port on the system.

4. **LAN (RJ-45) Jack**
   The optional internal LAN (RJ-45) port is used for an internal Fast Ethernet (Gigabit Ethernet 1000/100/10Mbps) connection.

5. **USB 2.0 Port***
   * With USB charging function

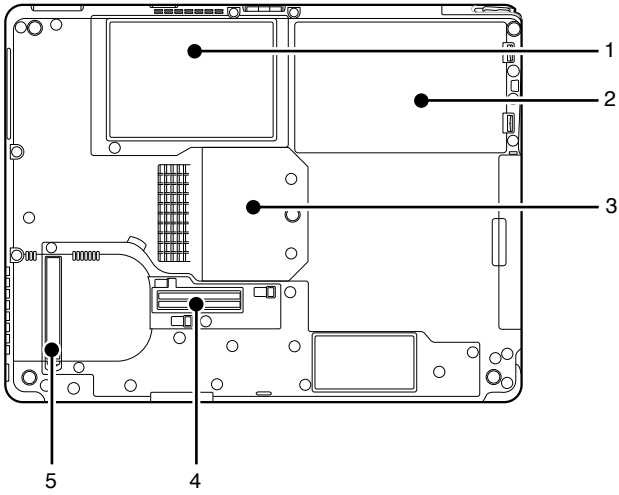


Figure 2-8. LifeBook T901 Series Tablet PC bottom panel

Bottom Components

Following is a brief description of your Tablet PC's bottom panel components. *(Figure 2-8)*

1. **Internal Hard Disk Drive**
   The location of the internal hard disk drive.

2. **Lithium Ion Battery Bay**
   The battery bay contains the internal Lithium Ion battery. It can be opened for the removal of the battery when stored over a long period of time or for swapping a discharged battery with a charged Lithium ion battery.

3. **Memory Upgrade Compartment**
   Your Tablet PC comes with high speed Synchronous Dynamic RAM (SDRAM). The memory upgrade compartment allows you to expand the system memory capacity of your Tablet PC, hence improving overall performance.

4. **Port Replicator Connector**
   This connector allows you to connect the optional Port Replicator.

5. **Dust Catcher**
   The dust catcher traps dust and dirt from entering your notebook.

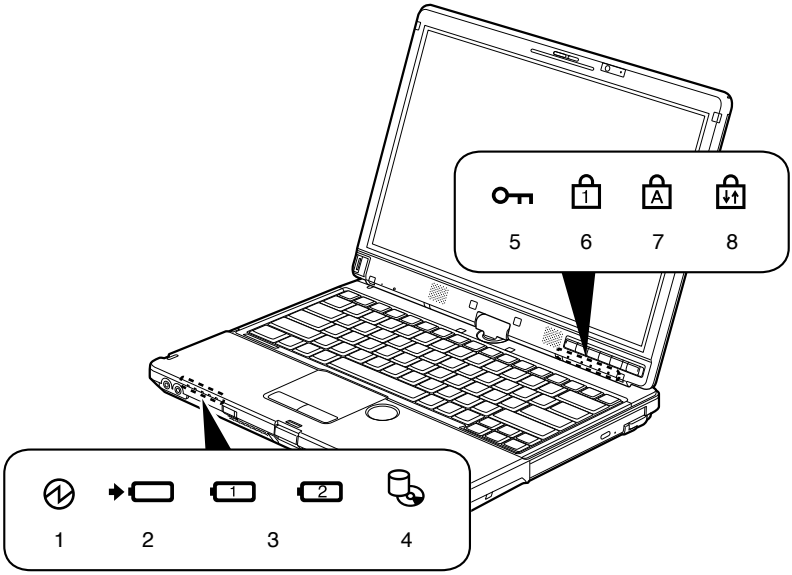


Figure 2-9. Status Indicator LED

Status Indicator LED

The Status Indicator displays symbols that correspond with a specific component of your LifeBook T901 Series Tablet PC. These symbols tell you how each of those components are operating. *(Figure 2-9)*

1. **Power Indicator ( )**
   The Power indicator symbol states whether your system is operational. It has several different states, each of which tells you what mode your Tablet PC is in at that time.
   - Steady On: This means that there is power to your Tablet PC and that it is ready for use.
   - Flashing: This means that your Tablet PC is in Standby mode.
   - Steady Off: This means that your system is either in Hibernate mode, or that your Tablet PC has been turned off.

2. **Battery Charging Indicator ( )**
   This indicator turns on when internal battery is being charged.

3. **Battery Level Indicators ((1, 2,)**
   The two Battery Level Indicators state the presence of stardard Li-ion battery and optional modular bay Li-ion battery. Battery 1 refers to the standard battery and Battery 2 refers to the optional modular bay battery. In addition, these two indicators show the remaining power of the batteries.

4. **Disk/Optical Drive Access Indicator ( )**
   This indicator turns on when an internal hard disk drive or an optical drive device or a removable disk drive is being accessed.

CAUTION

- Do not power off the notebook when the disk drive access indicator is shown.

5. **Security Indicator ( )**
   The Security Indicator flashes (if a password was set) when the system resumes from Off or Standby modes. You must enter the password that was set in the Security Panel before your system will resume operation.

6. **Num Lock Indicator ( )**
   The Num Lock indicator states that the integral keyboard is set in ten-key numeric keypad mode.

   If there is no battery activity and the power adapters are not connected, the Battery Level indicators will also be off.

POINT

If you are using the optional external numerical keypad, pressing the [NumLk] key will activate the external keypad. The indicator will come on, however it will not change any of the functionality of your keyboard keys.

7. **Caps Lock Indicator ( )**
   The Caps Lock indicator states that your keyboard is set to type in all capital letters.

8. **Scroll Lock Indicator ( )**
   The Scroll Lock indicator states that your scroll lock is active.

OPERATING STATUS INDICATOR LED

POINT

- When the power is turned off, the status display LEDs are all OFF except for during battery charging.

1. Built-in Battery Pack Charging Lamp (→ 1)

This lamp indicates charging status of builtin battery when AC adaptor is connected to PC.

- **Blue lamp is lit**

  Charging completed or not charging due to no built-in battery pack installed.

- **Orange lamp is lit**

  Charging

- **Orange lamp flashes**

  Charging stopped (due to battery temperature alarm, etc.

- **OFF**

  No charging due to disconnected AC adaptor.

2. Built-in Battery Pack Level Indicator Lamp (1)

This lamp indicates remaining level of the built-in battery pack.

- **Blue lamp is lit**

  Remaining battery level: 100% – 50%

- **Orange lamp is lit**

  Remaining battery level: 49 – 13%

- **Red lamp is lit**

  Remaining battery level: 12% or below

- **Orange lamp flashes**

  Measuring remaining battery level (for 4 seconds after built-in battery pack is installed)

- **Red lamp flashes**

  Abnormal battery condition.

- **OFF**

  Built-in battery pack disconnected.

RUNNING THE NOTEBOOK ON ITS BATTERY

Recharging the battery

1. **Connect the AC adapter to your notebook.**
   The moment you connect an AC adapter to your notebook, the notebook begins to charge the internal standard battery pack.
   The charging status (→ 1 / → 2) on the Status Indicator LED turns on.

2. **When the indicator turns off after the battery is completely charged, disconnect the AC adapter from the notebbok.**

POINT

- Before using the supplied battery pack for the very first time after purchase, remember to charge it fully. If a charged battery has not been recharged for more than a month, charge it fully before using it.
- When the battery is fully charged, the charging status indicators 1 / 2 turns green.

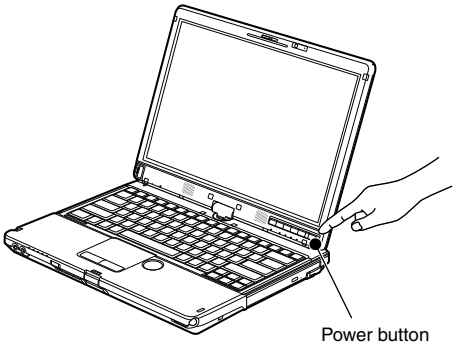
POINT

- When the battery is 90% or more charged, it cannot be recharged even if the AC adapter is connected. The battery can be recharged when its power level (i.e. remaining battery life) is 89% or less.
- When a notebook is turned off, all indicators on the status LED goes off immediately if the battery is completely charged.
- The chargeability of the battery degrades when it is used in an extremely hot or cold place.
- When the battery is very hot, for example, immediately after long usage of the notebook, the battery protection feature may be activated to prevent the battery from being recharged. When the temperature decreases, the notebook automatically begins to charge the battery.
- When an optional modular bay battery is installed, it is charged along with the internal standard battery.

Running the notebook on its battery

This section describes the steps to run the notebook on its internal standard battery.

1. **Disconnect the AC adapter from your notebook and press the power button.**



(This picture is for illustration purpose only and may look different from the actual unit)

POINT

- The power level of the battery decreases faster when it is used in a cold place.
- The chargeability of the battery decreases after it has been used over a long period of time. If the battery runs down very fast, replace it with a new battery.
- When an optional modular bay battery is installed, it is charged along with the internal standard battery.

Checking the power level of the battery

When the notebook is turned on or when the battery is being charged, the Battery Level indicators 1 / 2 turns on with different color to show the power level of the battery.

■ Different power level of the battery

- **Blue lamp is lit**
  Remaining battery level: 100% – 50%
- **Orange lamp is lit**
  Remaining battery level: 49 – 13%
- **Red lamp is lit**
  Remaining battery level: 12% or below

POINT

- Due to certain characteristics of Li-ion battery, the Battery Level Indicators may not correctly show the remaining power of the battery, especially under extreme temperature conditions.
- When the battery is 90% or more charged, it cannot be recharged even if the AC adapter is connected to the notebook. The battery can be recharged when its remaing is 89% or less.

Low battery condition

When the battery is discharged to a very low level, the battery level indicator on the status indicator LED 1 / 2 turns red. If it turns red, connect the AC adapter to your notebook immediately to recharge the battery.

POINT

- The use of a weak battery may result in lost of data you are currently working on. When the battery runs low, connect the AC adapter to your notebook as soon as an external power source is available or immediately save the data you are working on, exit all applications and turn off the notebook.
- Accessing data on the hard disk consumes a lot of power. Therefore when the battery is weak, connect an AC adapter to the notebook before accessing data on the hard disk.
- If a battery is weak and there is no system activity, the notebook may go into standby (i.e. suspend) mode. However, if there is system activity, the notebook will go into standby mode only after the system activity has completed its processing.
- The notebook will go into standby mode when the indicator reaches 3%. This is the default setting of the notebook.

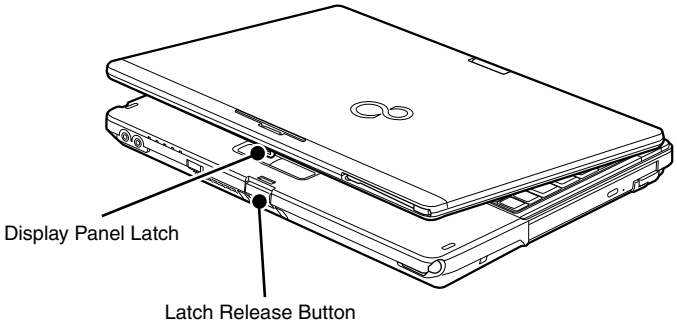


Figure 2-10. Opening the display

Display Panel

Your LifeBook T901 Series Tablet PC contains a display panel that is backlit for easier viewing in bright environments. The convertible design of your Tablet PC allows you to open the display fully, rotate it 180 degrees, and lay it face up on the keyboard. This allows you to use the system as a tablet, much as you would use a pad of paper.

Opening the Display Panel

1. Press the latch release button. This releases the locking mechanism. While holding the latch release, lift display cover.
2. Lift the display backwards, being careful not to touch the screen, until it is at a comfortable viewing angle. *(Figure 2-10)*

Using the System as a Tablet

If you would like to use the system as a tablet, perform the following steps.

CAUTION

- **Rotate the system display only in the direction indicated in the procedure.** Turning the display in the incorrect direction could cause hinge damage.
- In the following step, be sure to position the display perpendicular to the keyboard, otherwise the keyboard or display cover could get scratched.

1. Lift the display until it is perpendicular to the keyboard. *(Figure 2-12)*
2. When the display is perpendicular to the keyboard, rotate it 180 degrees in either direction *(Figure 2-13)* so that it is facing backwards. *(Figure 2-14)*
3. Holding the top edge of the display panel, pull it forward until it is lying nearly atop the keyboard.
4. Push the latch towards the display *(See "A" in Figure 2-11)*. The latch will pivot so the top latch disappears, and the bottom latch appears *(See "B" in Figure 2-11)*. Holding the latch down, lay the display flush against the system so that the latch engages. You can now use your system as a tablet. *(Figure 2-15)*

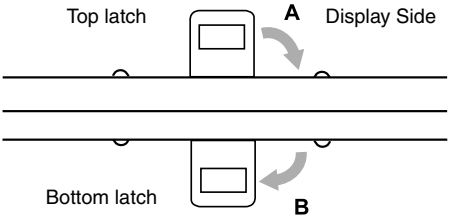


Figure 2-11. Latching/Unlatching

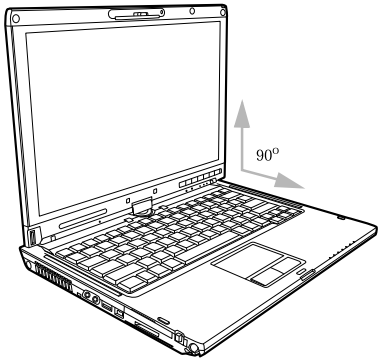


Figure 2-12. Fully open display

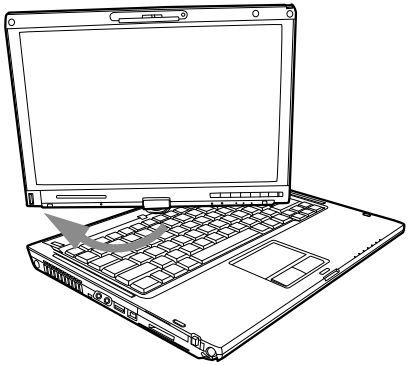


Figure 2-13. Rotating the display

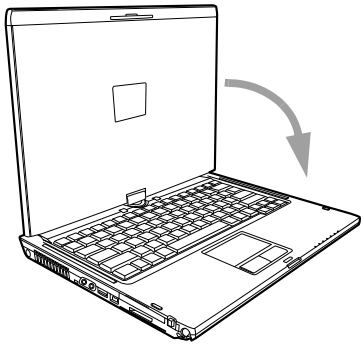


Figure 2-14. Display rotated completely

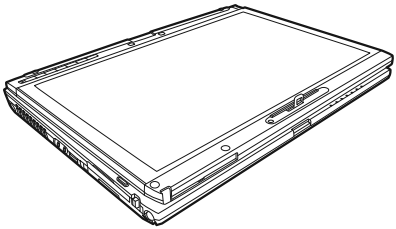


Figure 2-15. System in tablet configuration

Adjusting Display Panel Brightness

Once you have turned on your Tablet PC, you may want to adjust the brightness level of the screen to a more comfortable viewing level. There are two ways to adjust the brightness, keyboard and power management utility.

Using Keyboard to Adjust Brightness

Adjusting the brightness using the keyboard changes the system setting (i.e., the settings you make via the function keys automatically changes the brightness settings in the system's Pen and Tablet Settings).

- [Fn+F6]: Pressing repeatedly will lower the brightness of your display.
- [Fn+F7]: Pressing repeatedly will increase the brightness of the display.

POINT

- If using AC power your brightness setting is set to its highest level by default. If using battery power your brightness settings is set to approximately mid-level by default.
- The higher the brightness level, the more power the LifeBook T901 Series Tablet PC will consume and the faster your batteries will discharge. For maximum battery life, make sure that the brightness is set as low as possible.

Pen and Active Digitizer

Using the Pen

You can use the LifeBook T901 Series pen to generate and create electronic “ink”, to select items, and to navigate through programs on the Tablet PC. Programs that support handwriting recognition also allow you to write characters directly on the screen with the pen. You can also use the pen as a drawing tool.

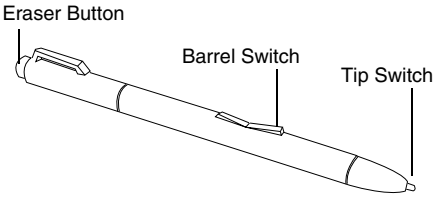


Figure 2-16. LifeBook T901 Series Pen

POINT

The LifeBook T901 Series pen is a sophisticated, high-quality electronic instrument that can be damaged if used improperly. Treat the pen as you would any precision device. The following guidelines should be observed:

- Do not gesture with the pen, use it as a pointer, or tap it on surfaces other than the Tablet PC screen.
- Do not try to turn the thumb grip on the pen; it is designed for inserting and removing the pen from the pen holder.
- Never store the pen with the tip bearing the weight of the pen (e.g., sitting tip down in a pencil cup). Storing the pen tip down could distort the internal mechanism over a period of time (especially in higher temperatures), causing the tip to act as if it is always depressed. To avoid damage, the pen should be stored in the pen holder when not in use.

The screen reacts when the pen tip is approximately 1/8 inch (3-5mm) from the screen. The pen has three switches: a tip switch and a barrel button toggle switch with switches at both ends. When activated, the tip switch corresponds to the left mouse button, and the front toggle (closest to the pen tip) barrel button switch, when used in combination with the tip switch, corresponds to the right mouse button. The rear toggle of the barrel button switch is programmable and by default, corresponds to a left-double-click of a mouse. You can also program it to act as an electronic ink “eraser”.

The functions of the rear toggle and the tip click pressure can be changed by clicking [Start] -> Control Panel, and double-clicking the Fujitsu Pen Settings icon.

To change the rear toggle function, select the drop-down list to select a new function, then click [Apply]. If you don’t want the rear toggle to have any function, select Ignore from the list.

Adjusting the click pressure determines how much pressure must be put on the pen tip in order for the screen to react. The softer it is set, less pressure is required; the harder it is set, more pressure is required. To change the click pressure, use the slider bar to make the click pressure harder or softer, then click [Apply].

CAUTION

- Use only the pen provided with your Tablet PC. Do not use substitutes that were not designed for the LifeBook T901 Series Tablet PC.

Here are some hints that may help you use the pen more effectively:

- **To activate the tip switch,** tap or hold the pen tip against the screen.
- **To activate the barrel button switch,** press and hold the end of the button you wish to use (front toggle is the right mouse button switch; the rear toggle acts as an electronic “eraser”).

- **To move the cursor,** hold the pen tip within 1/8 inch (3-5mm) from the screen and move the pen.
- **To start a program,** double-tap the pen tip (tap the pen tip twice rapidly) on the program icon as you would double-click a mouse.
- **To select an object,** tap the pen tip on the object once.
- **To "double-click" an object,** quickly tap the object twice.

Calibrating the Pen

In order to ensure accurate tracking between the pen and cursor, you must run the Touch Screen Calibration Utility before you use the Touch Screen for the first time, or after you change the display resolution.

To run the calibration utility:

1. Go to **Start** → **Control Panel** and double-click on the **Digitizer Properties** icon.
2. Click **Calibrate**.
3. Adjust the display of your Tablet PC to a comfortable angle.
4. Using the pen, firmly touch the screen directly on the (+) symbol; the pen tip, the (+) symbol will move to the next location.
5. Repeat step 4 in the four corners of the screen, then click **OK**.

Replacing the Pen Tip

With use, the pen tip may become worn or may pick up foreign particles that can scratch the screen. A damaged or worn tip may not move freely, causing unpredictable results when using the pen. If your pen exhibits these problems, you should replace the pen tip. To do so, use the pen tip removal tool included with your pen.

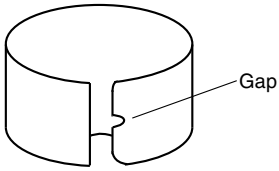


Figure 2-17. Tip Removal Tool

To remove the tip, position the tip in the gap between the two ends of the tool *(See Figure 2-17)*. Pinch the tool together so the tip is firmly clasped, then pull it from the barrel. If the tip is worn or damaged, discard it.

To replace the tip, retrieve one of the new tips that accompanied your pen. Insert the flat end of the tip into the barrel and push it in firmly until it is seated.

Using the Active Digitizer

The integrated Active Digitizer allows you to use the included pen as a pointing device. You can use the pen to click, double-click, drag items and icons, or to draw like a pen or pencil in applications that support this behavior, such as drawing or painting programs. See the documentation that came with your application for details. *(Figure 2-18)*

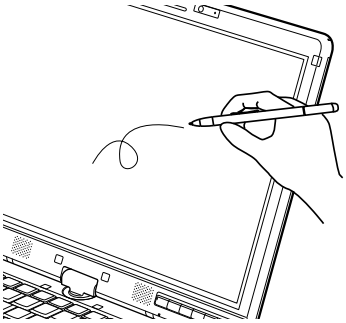


Figure 2-18. Using the pen with the Screen

CAUTION

To avoid potential scratching and damage, never use anything but the included pen with the display.

Clicking

To left-click, touch the object you wish to select and then lift the pen tip immediately. *(Figure 2-19)*

To right-click, press the front button on the barrel
switch or touch the pen to the screen for a couple of seconds until the right mouse icon appears at the tip.

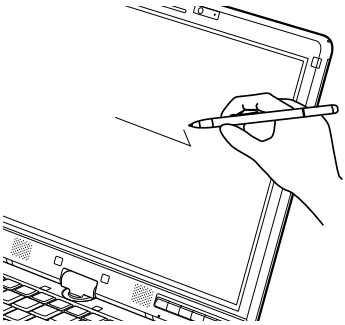


Figure 2-19. Clicking the Screen

Double-Clicking

To double-click, touch the item twice, and then immediately remove the pen tip. (Figure 2-20)

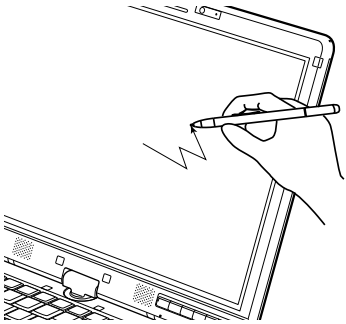


Figure 2-20. Double-clicking the screen

POINT

- If the interval between taps is too long, the double-click will not be executed.
- Parameters for the Touch Screen can be adjusted from the Mouse Properties dialog box located in the Windows Control Panel.

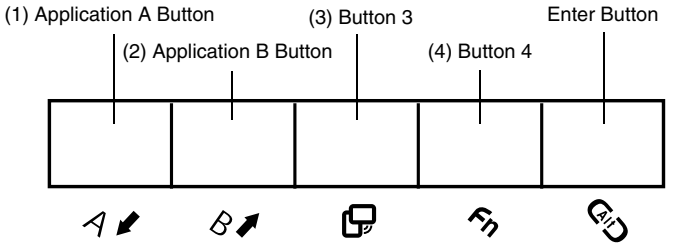


Figure 2-21. LifeBook T901 Series Tablet PC Security/Tablet PC Buttons

LifeBook Tablet PC/Security Buttons

A unique feature of your LifeBook T901 Series Tablet PC is the array of Security and Tablet PC buttons. These buttons allow you to secure your Tablet PC from unauthorized use and to launch specific applications with the touch of a button.

If the security system is activated, upon starting your Tablet PC or resuming from Standby, Hibernate, or shut-down mode the security system will require you to enter a password code using the security buttons. After you enter the correct password, your Tablet PC will resume operation.

The five security/Tablet PC buttons are located on the bottom right-hand side of the display when it is configured to be used as a notebook. *(Figure 2-21)*

Security functions: All five buttons are used when implementing security functions. Four of the buttons are used to enter the password, and the fifth is used as an Enter button. See the right-hand column of Table 2-2.

Tablet PC functions: All five of the buttons have primary functions. Four of the buttons have secondary functions when used as application buttons. The secondary functions are activated by pressing the Function (Fn) button while pressing the application button. See Table 2-2 for specific functions. The secondary functions of the Application A and B buttons can be changed to launch any application.

POINT

When the system is logging on or when it is locked (i.e., when you have the Logon or Computer Locked window showing on your desktop), the A and B buttons act as [Tab] and [Enter] keys, respectively.

Button Icon	Primary Function	Secondary Function (Fn + Button)	Security Panel Function (Pre-boot and resuming from suspend)
↓	Page Down	User-defined Application A (Default = Calculator)	Security Button 1
↑	Page Up	User-defined Application B (Default = MS Journal)	Security Button 2
	Screen Rotation	VGA-Out	Security Button 3
Fn	Secondary Function Selection	Fujitsu Utility Menu	Security Button 4
Alt	Ctl+Alt+Del Button	None	Security Enter Button

Table 2-2 Security/Tablet PC Button Functions

Page Down/Application A Button

When you press the **Page Down** button when the system is running, each press of the button will scroll the screen down one frame. This allows you to navigate quickly through large documents.

When you press the Fn button and hold it while you press the **Page Down/Application A** button, you will automatically start whichever program is assigned to the button. The default application for this button is Calculator.

Page Up/Application B Button

When you press the **Page Up** button when the system is running, each press of the button will scroll the screen up one frame. This allows you to navigate quickly through large documents.

When you press the **Fn** button and hold it while you press the **Page Up/Application A** button, you will automatically start whichever program is assigned to the button. The default application for this button is Microsoft Journal.

Screen Rotation/VGA-Out Button

The screen rotation feature would normally be used only when the system is configured as a tablet. When you would like to use the tablet as an eBook, for example, you would use the portrait orientation; when accessing spreadsheets or using the system as a notebook, you would more typically use landscape orientation.

When the system is changed to tablet configuration, the orientation automatically changes to portrait mode by default.

POINT

The screen orientation default can be changed by going to the Control Panel and double-clicking on the Fujitsu Display Control icon and selecting the desired defaults from the Display Orientation section. After changing the defaults, click [OK].

When you press the **Screen Rotation / VGA-Out** button, the system screen orientation changes from portrait (vertical) to landscape (horizontal) or from landscape to portrait.

Function/Fujitsu Menu Button

The **Function** button works in conjunction with the other application buttons to provide additional functionality for the buttons. Refer to specific details above.*

Pressing the **Fn** button twice in succession causes the Fujitsu Utility Menu to appear on your screen, allowing you to modify certain system settings.

Ctl+Alt+Del Button

Pressing the **Ctl-Alt-Del** button for up to two seconds launches the Logon screen or the Windows Task Manager (if the system hasn't yet been configured).

Changing Tablet PC Button Functions

The Application A and B buttons can be changed to launch a program or perform an action you select. By default, the Application A button launches the Calculator, and the Application B button launches MS Journal.

To launch different applications or cause the Application A or B buttons to perform a specific action:

1. Double-click on the Tablet and Pen Settings icon in the Control Panel.
2. Select the Tablet Buttons tab and select the button you would like to change from the list.
3. Click [Change] and open the drop down list in the Action: field.
4. Select the action you would like the button to perform. If you want to launch a program, click on Launch an Application then browse to the location of the program.
5. Click [OK], then click [OK] again. The buttons will now perform the actions you have assigned to them.

Setting Up Lifebook Security Panel

When you receive your Tablet PC, the security panel application is pre-installed without any passwords. The following sections provide detailed information on your security panel, how to set, change or remove passwords.

Numbered Buttons

Use these buttons to enter your password. *(Figure 2-21)*

Enter Button

After entering the button strokes, push this button to enter the password into the Tablet PC. *(Figure 2-21)*

Passwords

The user and supervisor password may be set on this Tablet PC. A supervisor password is typically the same for all tablets and notebooks in a work group, office, or company to allow for system management. Individual computers in a group environment should not use a common password. A password consists of one to five button strokes plus the enter button. A valid stroke consists of pushing one or up to four buttons simulta-neously.

The following are valid button strokes:

- Pushing [4] by itself
- Pushing [2] and [3] at the same time
- Pushing [1], [2], and [4] at the same time
- Pushing [1], [2], [3], and [4] at the same time

The following are valid passwords. The numbers within braces ({ }) are button strokes using more than one button.

- {[2]+[3]}, [1], [Enter]
- [4], [enter]
- {[1]+[3]}, {[2]+[3]+[4]}, [1], [4], [2], [Enter]

Setting Passwords

When shipped from the factory, no passwords are set. You have a choice of having no password or setting a supervisor and user password. You must set the super-visor password before the user password.

IMPORTANT

- The purpose of supervisor password is to be able to bypass the user password in case the user password is forgotten. The supervisor password alone will not lock the system.
- You must set the supervisor and user passwords for the security panel to work.

Setting Supervisor Password

You must have set a supervisor password before setting any user passwords. The supervisor password can bypass the user password.

1. Go to the **Start** menu.
2. Click on **Run**.
3. Type in:
   `C:\Program Files\Fujitsu\Security Panel Application\Supervisor\FJSECS.EXE`, then press [Enter].
4. Follow the on-screen instructions to set the Supervisor password.

Setting User Password

1. Go to the **Start** menu.
2. Click on **All Programs**.
3. Click on **Security Panel Application** -> **Security Panel Application**.
4. Follow the on-screen instructions to set the user password.

IMPORTANT

You may change or remove the supervisor or user password by repeating the steps defined above.

Using Your Lifebook Security Panel

The security lock feature is in effect both when the system resumes from Off, Standby, or Hibernation state. You always need to push the Security Panel buttons to input the user password. Your system will not begin the boot sequence until you enter your supervisor/user password.

From Off State

1. Turn on your system.
2. When the Security Indicator flashes, enter the pass-word and press Enter button.

   For example, if the password is 22222, first press Button 2 five times and press the Enter button. The Tablet PC will boot to normal operation.

From Standby/Hibernation State

1. Press your Suspend/Resume button.
2. When the Security Indicator flashes, enter the pass-word and press Enter button.

   The Tablet PC should resume normal operation.

Incorrect Password Entry

If an invalid supervisor or user password is entered three times in succession, the system will "beep" for about one minute. If a valid password is entered within a minute (while system beeps), the beeping will stop and the Tablet PC will resume normal operation. If no password is entered or an invalid password is entered while the system beeps, the system will return to its previous locked state (standby or off) and the Security Indicator will go off. To reactivate the Tablet PC after a password failure, you must press the Suspend/Resume button, then enter a correct password.

IMPORTANT

Remember the user password you specified on the Security Panel Application. If you forget the password you will not be able to use your computer. The supervisor password can override the user password.

Precautions

Opening and Closing the Cover

By default, closing the cover automatically places your system into Standby mode. (You can change the action the system takes when the cover is closed by opening the Power Options Properties icon in the Control Panel, and selecting the Advanced tab. Make a choice from the drop down menu for "When I close the lid of my portable computer:" and click the [OK] button.) Opening the cover does not automatically place the Tablet PC into normal operation. Instead, you must enter the proper security password after pushing the Suspend/Resume button.

Low Battery Operations

If your Tablet PC has a low battery, pushing the suspend/resume button only turns on the Security Indi-cator. Your Tablet PC does not unlock, the Security Indicator turns off after one minute. To resume normal operation, first attach a power supply to the Tablet PC. Then you may unlock the Tablet PC.

Uninstalling The Security Panel Application

You have two options when uninstalling the security panel application:

- Remove passwords and uninstall the security panel application software. This will disable all security features.
- Uninstall the security panel application with password still active. This will not allow any changes to the password.

Uninstalling the Security Panel Application Software

Remove passwords when User wants no password protection whatsoever and doesn't want to give anybody the utility to set a password on their computer. In this case, if passwords (supervisor, user, or both) are set, the passwords must first be cleared BEFORE removing the application. To clear passwords, follow same procedure in SETTING PASSWORD CODES except this time, select REMOVE, enter current password then click Next. When asked to confirm select **Yes**.

Removing Security Panel Application with Passwords Still Active

Using this feature will not allow any changes to the password.

IMPORTANT

Removing the applications does not remove the password. It simply removes the utility to change/add/remove passwords. To change your password you must reinstall the application.

User:

1. Go to Start -> Control Panel.
2. Open **Add or Remove Programs Properties** in the Control Panel.
3. Select the **Security Panel Application** in the list, and click **Change/Remove**.
4. When the Confirm File Deletion box appears, click **Yes**.

Supervisor:

1. Go to Start -> Control Panel.
2. Open **Add or Remove Programs Properties** in the Control Panel.
3. Select the **Security Panel Application for Supervisor** in the list, and click **Change/Remove**.
4. When the Confirm File Deletion box appears, click **Yes**.

Reinstalling the Security Panel Application

To reinstall supervisor or user security application, you will need your Drivers and Applications CD. The Utilities\Security Panel Application folder contains two separate folders: Supervisor and User. The setup files for supervisor and user security applications are contained in those folders.

1. Go to the Utilities\Security Panel Application\ Supervisor folder on the CD and double-click the setup.exe file. The Installing Security Panel Application window will appear. Follow the instructions on the screen.
2. Go to the Utilities\Security Panel Application\ User folder on the CD and double-click the setup.exe file. The Installing Security Panel Application window will appear. Follow the instructions on the screen.

Supervisor and user passwords can be set via Windows software using the FJSECS.exe and FJSECU.exe files, respectively. FJSECU.exe for the user password cannot run without first setting a supervisor password. You need to run FJSECS.exe first to set the supervisor password. Follow instructions under Setting Passwords on page 28.

3

Using Your Tablet PC

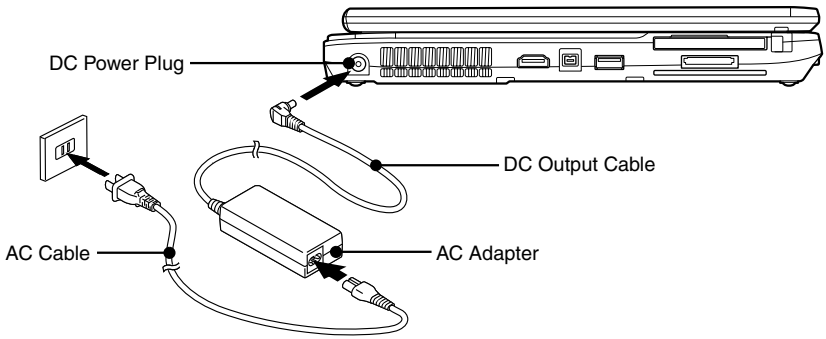


Figure 3-1. Connecting the AC Adapter

Power Sources

Your LifeBook T901 Series Tablet PC has two possible power sources: a primary Lithium ion battery and an AC adapter.

Connecting the Power Adapters

The AC adapter provides power for operating your Tablet PC and charging the batteries.

Connecting the AC Adapter

1. Plug the DC output cable into the DC power jack of your Tablet PC.
2. Plug the AC adapter into an AC electrical outlet. *(Figure 3-1)*

Connecting the Optional Auto/Airline Adapter

1. Plug the DC output cable into the DC power jack on your Tablet PC.
2. Plug the Auto/Airline adapter into the cigarette lighter of an automobile with the ignition key in the On or Accessories position.

OR

3. Plug the Auto/Airline adapter into the DC power jack on an airplane seat.

Switching from AC Adapter Power to Battery Power

1. Be sure that you have a charged battery installed.
2. Remove the AC adapter.

POINT

The Lithium ion battery is not charged upon purchase. Initially, you will need to connect the AC adapter to use your Tablet PC.

Starting Your Tablet PC

Power On

The Power/Suspend/Resume button is used to turn on your LifeBook T901 Series Tablet PC from its off state. Once you have connected your AC adapter or charged the internal Lithium ion battery, you can power on your Tablet PC.

POINT

When you turn on your Tablet PC be sure you have a power source. This means that a battery is installed and charged, or that the AC adapter is connected and has power.

Press the Power/Suspend/Resume button to start your system. When you are done working you can either leave your Tablet PC in Standby mode, or you can turn it off.

CAUTION

When the system display is closed, the Suspend/Resume button is disabled. This feature prevents the system from being accidentally powered up when not in use.

When you Power On your Tablet PC, it will perform a Power On Self Test (POST) to check the internal parts and configuration for correct functionality. If a fault is found, your Tablet PC will emit an audio warning and/or an error message will be displayed. Depending on the nature of the problem, you may be able to continue by starting the operating system or by entering the BIOS setup utility and revising the settings.

After satisfactory completion of the Power On Self Test (POST), your Tablet PC will load your operating system.

POINT

Never turn off your Tablet PC during the Power On Self Test (POST) or it will cause an error message to be displayed when you turn your Tablet PC on the next time.

Boot Sequence

The procedure for starting-up your Tablet PC is termed the Bootup sequence and involves your Tablet PC's BIOS. When your Tablet PC is first turned on, the main system memory is empty, and it needs to find instructions to start up your Tablet PC. This information is in the BIOS program. Each time you power up or restart your Tablet PC, it goes through a boot sequence which displays a Fujitsu logo until your operating system is loaded. During booting, your Tablet PC is performing a standard boot sequence including a Power On Self Test (POST). When the boot sequence is completed without a failure and without a request for the BIOS Setup Utility, the system displays the operating system's opening screen.

The boot sequence is executed when:

- You turn on the power to your Tablet PC.
- You restart your Tablet PC from the Windows Shut Down dialog box.
- The software initiates a system restart. Example: When you install a new application.
- You reset the system by pressing the three keys [Ctrl+Alt+Del].

Registering your LifeBook T901 Series Tablet PC

How do I register?

To register your system, visit our Web site at: www.hk.fujitsu.com/pc

Power Management

Your Fujitsu LifeBook notebook has many options and features for conserving battery power. Some of these features are automatic and need no user intervention, such as those for the internal modem. However, others depend on the parameters you set to best suit your operating conditions, such as those for the display brightness. Internal power management for your notebook may be controlled from settings made in your operating system, pre-bundled power management application, or from settings made in BIOS setup utility.

Besides the options available for conserving battery power, there are also some things that you can do to prevent your battery from running down as quickly. For example, you can create an appropriate power saving profile, put your notebook into Suspend mode when it is not performing an operation, and you can limit the use of high power devices. As with all mobile, battery powered computers, there is a trade-off between performance and power savings.

Power/Suspend/Resume Button

When your LifeBook notebook is active, the Power/Suspend/Resume button can be used to manually put your notebook into Suspend mode. Push the Power/Suspend/Resume button when your notebook is active, but not actively accessing anything, and immediately release the button. You will hear two short beeps* and your system will enter Suspend mode.

If your LifeBook is suspended, pushing the Power/Suspend/Resume button returns your notebook to active operation. You can tell whether the system is Suspended by looking at the Power indicator. If the indicator is visible and not flashing, your notebook is fully operational. If the indicator is visible and flashing, your notebook is in Suspend mode. If the indicator is not visible, the power is off or your notebook is in Hibernation mode. *(See Hibernation Feature)*

* Only applicable for some models

Suspend Mode

Suspend or Standby mode in Windows saves the contents of your LifeBook notebook's system memory during periods of inactivity by maintaining power to critical parts. This mode will turn off the CPU, the display, the hard drive, and all of the other internal components except those necessary to maintain system memory and allow for restarting. Your notebook can be put in Suspend mode by:

- Pressing the Power/Suspend/Resume button when your system is turned on.
- Selecting Standby from the Windows Shut Down menu.
- Timing out from lack of activity.
- Allowing the battery to reach the Dead Battery Warning condition.

Your notebook's system memory typically stores the file on which you are working, open application information, and any other data required to support operations in progress. When you resume operation from Suspend mode, your notebook will return to the point where it left off. You must use the Power/Suspend/Resume button to resume operation, and there must be an adequate power source available, or your notebook will not resume.

POINT

- If you are running your LifeBook notebook on battery power, be aware that the battery continues to discharge while your notebook is in Suspend mode, though not as fast as when fully operational.
- Disabling the Power/Suspend/Resume button prevents it from being used to put your LifeBook notebook in Suspend or Hibernation (Save-to-Disk) mode. The resume function of the button cannot be disabled.
- The Suspend or Hibernation (Save-to-Disk) mode should not be used with certain PC Cards. Check your PC Card documentation for more information. When PC Cards or external devices are in use, Hibernation (Save-to-Disk) mode cannot return to the exact state prior to suspension, because all of the peripheral devices will be re-initialized when the system restarts.
- If your LifeBook notebook is actively accessing information when you enter the Suspend or Hibernation (Save-to-Disk) mode, changes to open files are not lost. The files are left open and memory is kept active during Suspend mode or the memory is transferred to the internal hard drive during Hibernation mode.
- The main advantage of using the Hibernation (Save-to-Disk) function is that power is not required to maintain your data. This is particularly important if you will be leaving your LifeBook notebook in a suspended state for a prolonged period of time. The drawback of using Hibernation mode is that it lengthens the power down and power up sequences and resets peripheral devices.

Hibernation (Save-To-Disk) Feature

The Hibernation feature saves the contents of your LifeBook notebook's system memory to the hard drive as a part of the Suspend/Resume mode. You can enable or disable this feature.

Enable or Disable the Hibernation Feature

Windows 7:

The default settings are not enabled. To enable or disable the Hibernation feature follow these steps:

1. From the **Start** menu, select **Control Panel**.
2. Select "**System and Security**" and then select "**Power Options**".
3. Select "Choose what the power button does" or "Choose what closing the lid does", then make your selections (Do Nothing, Sleep, Hibernate, or Shut Down).

Windows Vista:

The default settings are not enabled. To enable or disable the Hibernation feature follow these steps:

1. From the **Start** menu, select **Control Panel**.
2. Select "Choose what the power button does" or "Choose what closing the lid does", then make your selections (Do Nothing, Sleep, Hibernate, or Shut Down).

Windows XP:

The default settings are not enabled. To enable or disable the Hibernation feature follow these steps:

1. From the **Start** menu, select **Settings**, and then select **Control Panel**.
2. From the **Control Panel** select **Power Options**.
3. Select the **Hibernate** tab. Select the box to enable or disable this feature.

Windows Power Management

The Power Options icon located in the Windows Control Panel allows you to configure some of the power management settings. For example, you can use the Power Options to set the timeout values for turning off the display and hard disks whether you are running the notebook on battery power or one of the adapters.

Restarting The System

If your system is on and you need to restart it, be sure that you use the following procedure.

Windows Vista/Windows 7

If your system is on and you need to restart it, be sure that you use the following procedure.

1. Click the **Start** button, and then move the mouse over the right arrow.
2. Select the desired action from the list.

Windows XP

1. Click the **Start** button, and then click **Shut Down**.
2. Select the **Restart** option from within the Windows Shut Down dialog box.
3. Click **OK** to restart your notebook. Your notebook will shut down and then reboot.

IMPORTANT

Turning off your LifeBook notebook without exiting Windows or turning on your notebook within 10 seconds of the notebook being shut off may cause an error when you start the next time.

Power Off

Before turning off the power, check that the hard drive/ optical drive access indicator is off. If you turn off the power while accessing a disk there is a risk of data loss. To ensure that your notebook shuts down without error, use the Windows shut down procedure.

CAUTION

Be sure to close all files, exit all applications, and shut down your operating system prior to turning off the power. If files are open when you turn the power off, you will lose any changes that have not been saved, and may cause disk errors.

Using the correct procedure to shut down from Windows allows your notebook to complete its operations and turn off power in the proper sequence to avoid errors. The proper sequence is:

1. Click the **Start** button, and then click **Shut Down**.
2. Select the **Shut Down** option from within the Windows Shut Down dialog box.
3. Click **OK** to shut down your notebook.

If you are going to store your notebook for a month or more see Care and Maintenance Section.

Using fingerprint authentication*

With fingerprint authentication, you can omit entering a user name and a password by just sliding your finger onto the fingerprint sensor at the time of logging in homepages or logging on Windows. This chapter describes how to use fingerprint authentication.

*** NOTE:**

This is only applicable for LifeBook with Fingerprint Sensor.

To use fingerprint authentication, the user's fingerprints must be registered.

Characteristics of fingerprint authentication

■ **Fingerprint authentication can be used in the following case.**

- **Logging on to Windows**

  When the user account of Windows is password-protected, only persons who know that password can log on to Windows using that account. However, you have to enter the password each time when you log on to Windows.
  With use of fingerprint authentication, you can log on to Windows by only authenticating fingerprints that have previously been registered, thus omitting entering a password.

- **Recovery from the power-saving status**

  If the computer is password-protected for the recovery from power-saving status, you have to enter a password each time when your computer is recovered from the power-saving status.
  With use of fingerprint authentication, you can recover from the power-saving status by authenticating fingerprints that have previously been registered, thus omitting entering a password.

- **Canceling password-protected screen saver**

  You can lock your computer if the screen saver is password-protected. However, you have to cancel this lock when canceling the screen saver.
  With use of fingerprint authentication, just authenticating fingerprints that have previously been registered enables this lock to be canceled, thus omitting entering a password.

- **Logging into the homepage that requires an ID (user name) and a password**

  To log into the homepage of which security is set up, you may have to enter log-in information such as an ID (user name) and a password.
  With fingerprint authentication, you can log into these homepages by just authenticating fingerprints if log-in information is previously memorized for specific homepages.
  Status for entering log-in information differs depending on homepages; direct entering log-in information into homepages, and indication of screens specific to entering. In either case, log-in using fingerprint authentication can be performed.

OmniPass Enrollment Wizard

OmniPass Enrollment Wizard
SOFTEX
INCORPORATED
OmniPass
OmniPass provides password management capabilities to Microsoft Windows-based operating systems. OmniPass allows a user to use one "master password" for all Windows, application and on-line passwords. A "master password" is an OmniPass password that will be used to enter any password-protected site or program once you have registered those sites with OmniPass. The 'Enroll' button brings you to the next screen where you can begin to create your user account.
Show this screen at Startup
Help
Start

Figure 1: OmniPass Enrollment Wizard - Welcome

The OmniPass Enrollment Wizard guides the user through the process of enrolling an OmniPass user. If you do not see the screen at Startup, you can invoke the wizard by clicking on the Windows taskbar; select **All Programs**; select **Softex** and click on the **OmniPass Enrollment Wizard** (see Figure 1).

To continue, click **Start**. Input the User Name and Password (see Figure 2). The Domain field is the local computer name with the "Local Machine" appended to it. However, for domain user, they should select the appropriate domain name they belong to. Please check with your administrator. Click **Next** to proceed.

Verify Username and Password
Please enter the Windows account information that you wish to use for your OmniPass account. Once confirmed OmniPass will use the same account credentials for secure OmniPass functions like managing passwords, encrypting files, etc.
User Name:
Fujitsu
Domain:
OFFICE (Local Machine)
Password:
Restore user from a backed up user profile.
Help
Next

Figure 2: OmniPass Enrollment Wizard – User Name & Password

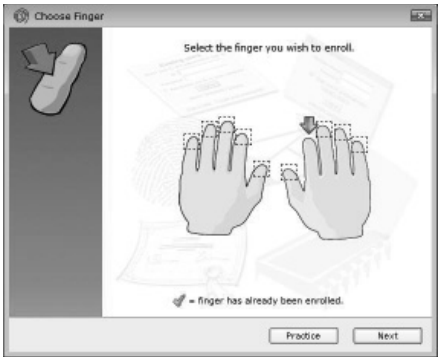


Figure 3: OmniPass Enrollment Wizard – Enrolling with OmniPass

Next, you are to select the finger that you wish to enroll in OmniPass (see Figure 3). Notice that the red arrow indicates the finger that you are currently enrolling in and the green check indicates the finger you have already enrolled with OmniPass. In the case of you choosing a finger with green check (already enrolled), OmniPass software allow you to en-roll. However, it will overwrite the old fingerprint. Once you have selected the finger to enroll, click **Next**.

You can click on the **Practice** button to practice on the fingerprint enrolling especially for first time users.

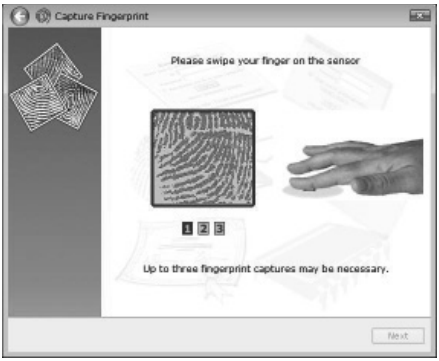


Figure 4: OmniPass Enrollment Wizard – Capturing Fingerprint

OmniPass will now capture the fingerprint of the finger selected for OmniPass enrollment. It will takes up to three fingerprint captures for the enrollment (see Figure 4).

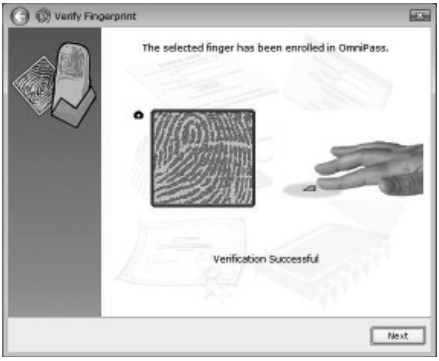


Figure 5: OmniPass Enrollment Wizard – Fingerprint Verification

After OmniPass has successfully capturing your fingerprint, you will need to verify the enrolled fingerprint (see Figure 5). You will need to repeat the action as you have done in the capturing fingerprint section done as shown in Figure 4.

As seen in Figure 5, upon successful verification, the window will show a green capture in the window and the text **Verification Successful** beneath the window. Click **Next** to proceed.

OmniPass recommends that you enroll at least two fingers (see Figure 6) and if you choose to enroll the second finger, please repeat the process as shown in Figure 3, Figure 4 and Figure 5.

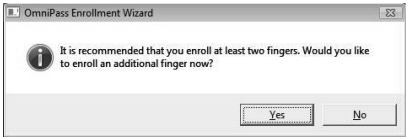

OmniPass Enrollment Wizard
It is recommended that you enroll at least two fingers. Would you like to enroll an additional finger now?
Yes
No

Figure 6: OmniPass En rollment Wizard – OmniPass recommends at least two fingers

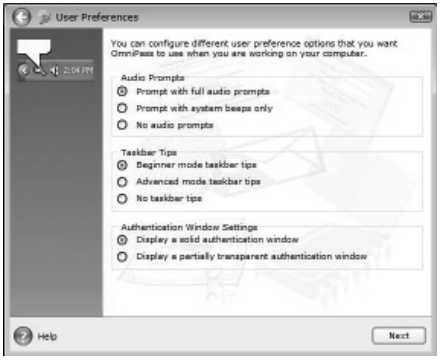

User Preferences
You can configure different user preference options that you want OmniPass to use when you are working on your computer.
Audio Prompts
Prompt with full audio prompts
Prompt with system beeps only
No audio prompts
Taskbar Tips
Beginner mode taskbar tips
Advanced mode taskbar tips
No taskbar tips
Authentication Window Settings
Display a solid authentication window
Display a partially transparent authentication window
Help
Next

Figure 7: OmniPass Enrollment Wizard – Audio, Taskbar, Authentication Window Setting

In this section (see Figure 7), you can customize the OmniPass with your preferred audio prompt, taskbar tips as well as Authentication Window setting.

Backup User Profile
OmniPass requires you to backup the profile of the newly created user. If you ever have to re-install OmniPass on your computer or if you replace your computer, will need to restore your user profile from the backup you will now create, otherwise, you will not be able to access your password protected applications and websites and you will not be able to decrypt files previously encrypted with OmniPass.
WARNING! Once you create the backup, we STRONGLY recommend that you save the backup file and the password used to create the backup file in a safe and secure location (e.g. a protected area of a USB memory key or secure network shared drive). The backup profile may be needed in the future so that you can decrypt previously encrypted files.
Help
Backup Now

Figure 8: OmniPass Enrollment Wizard – Backup User Profile

To proceed, click **Next**. In this section of user enrollment, you are required to back up the newly created user profile (see Figure 8). The backup profile can be restored in the event you re-install OmniPass or replace your computer, otherwise you will not be able to access your password protected applications and websites. Besides that, you will not be able to decrypt the files previously encrypted with OmniPass. To proceed, click **Backup Now**.

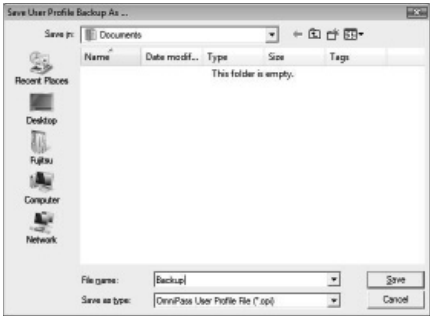


Figure 9: OmniPass Enrollment Wizard – Backup User Profile

You will be prompted to save the backup of the profile in your preferred location (see Figure 9) and a password for the backup file (see Figure 10). This password will be required when you are restoring this profile in the future.

Backup File Password
Please provide a password that will be used to protect the user's profile backup file.
NOTE: Save the profile backup file and this password in a safe place. You will not be able to restore the profile later unless this password is provided.
Password:
****
OK

Figure 10: OmniPass Enrollment Wizard – Backup File Password

Congratulations
OmniPass has successfully created your new user account. You can now use OmniPass to manage your passwords, encrypt files, secure your computer desktop and perform other secure operations. Please refer to the online help or your user's manual for more detailed information on all of the features of OmniPass.
Help
Done

Figure 11: OmniPass Enrollment Wizard – Congratulations

OmniPass has successfully created the new user account and now you are ready to use OmniPass to manage passwords, encrypted files etc.

OmniPass Password Replacement function

In this section of the OmniPass Password Replacement function, you will learn how you can teach OmniPass of your login credentials. You can authenticate with OmniPass the next time you gain access to the website where you have taught OmniPass with the set of login credentials. The description in the following section does not indicate exhaustive password replacement function that you can do.

Note: The password replacement functionality is not limited to restricted access websites only.

■ Register log-in information on homepages

To log into homepages of which security is set up, you may have to enter log-in information such as an ID (user name) and a password. With fingerprint authentication, you can log in these homepages by only sliding your finger onto the fingerprint sensor if log-in information is previously memorized for specific homepages. Register log-in information according to the following procedure.

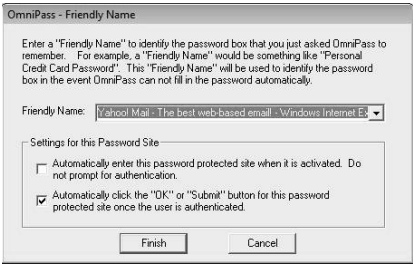
Register log-in information on homepages

1. **Display a homepage you want log-in information to be registered.**
2. **Enter log-in information.**
   - When a screen specific for entering log-in information is indicated, enter the User Name and Password, do not press the “Sign-in” or “OK” button, etc.

3. **Right-click on the OmniPass icon from the notification area in the lower right hand corner of the screen and selects “Remember Password.”**
   - The mouse pointer will change into

4. **With the mouse pointer changed to , click on the area of log-in information entered in Step 2.**

5. **Next, you will be prompted to enter a Friendly Name for the website.**
   - It is recommended that you input a name that will reminds you which website you are logging on.
   - You can have different sets of login credentials associated with the same password-protected resource. However, please provide different friendly name to it. If you provide the same friendly name, OmniPass will overwrite the previous set of credentials associated with the password-protected resource.
   - OmniPass will be using the friendly name to choose one from the many credentials remembered for the same site.

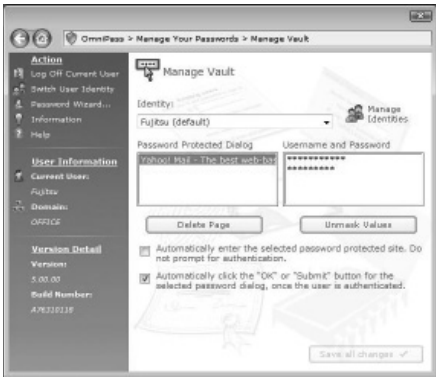

OmniPass - Friendly Name
Enter a "Friendly Name" to identify the password box that you just asked OmniPass to remember. For example, a "Friendly Name" would be something like "Personal Credit Card Password". This "Friendly Name" will be used to identify the password box in the event OmniPass can not fill in the password automatically.
Friendly Name:
Yahoo! Mail - The best web-based email! - Windows Internet Ex
Settings for this Password Site
Automatically enter this password protected site when it is activated. Do not prompt for authentication.
Automatically click the "OK" or "Submit" button for this password protected site once the user is authenticated.
Finish
Cancel

   - **Automatically click the "OK" or "Submit" button for this password protected site once the user is authenticated**. When selected, you will be prompted to authenticate with OmniPass each time for an access to the password-protected website. Upon successful authentication, you will be logged on automatically.
   - **Automatically enter this password protected site when it is activated. Do not prompt for authentication** is a less secure option. If checked, OmniPass will allow you to log onto the password-protected website without prompting for authentication.
     WARNING: Should you leave your computer unattended, unlocked, with your OmniPass user logged in, anyone using your computer can browse to your password protected sites and gain automatic access.
   - Click **Finish** to complete the remember password procedure. The site location, credentials to access the site, and the OmniPass authentication settings for the site are now stored in OmniPass' secure database.
   - The OmniPass authentication settings (Settings for this Password Site) can always be changed in **Manage Vault** via **Manage Your Passwords** in **OmniPass Control Center**.

Password Management

You can manage your passwords through an interface in OmniPass. Double-click the OmniPass key in the system tray and click on **Manage Your Passwords**.

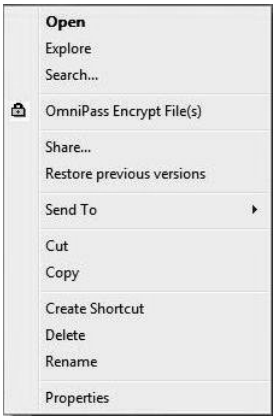
You will be prompted to authenticate with OmniPass before gaining access to the **Manage Vault**.



Under the **Password Protected Dialog**, you can choose the website remembered by OmniPass and manage the credentials by clicking **Unmask Values. Delete Page** is used to delete the credentials associated with the website but ceased to exist or expired. The two checkboxes determines whether you gain access with OmniPass authentication or logs you on directly upon entering the remembered site without any authentication.

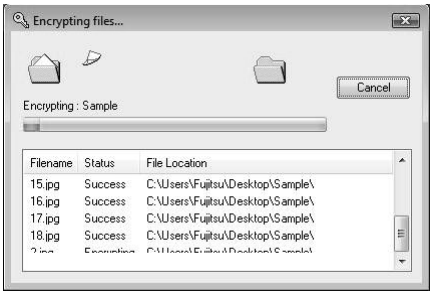
File and Folder Encryption

Besides managing passwords for the password-protected resources, OmniPass enables you to encrypt and decrypt files and folders in your system. Encryption is converting your data to a form in which unauthorized user cannot read. Once a file is encrypted, it needs to be decrypted so that the file can be read or accessed.

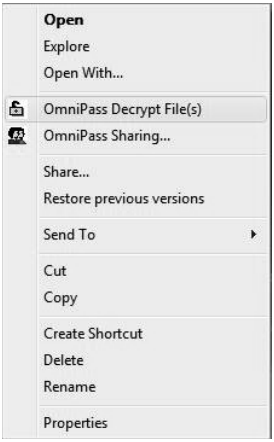


To encrypt a file or folder, right-click on it and selects **OmniPass Encrypt File(s)**. You will be prompted to authenticate with OmniPass for the encryption.

If you choose to encrypt a folder, the folder and all the files in this folder will be encrypted. Contents in **C:\Windows** and **C:\Program Files** and the folder where OmniPass is installed cannot be encrypted.

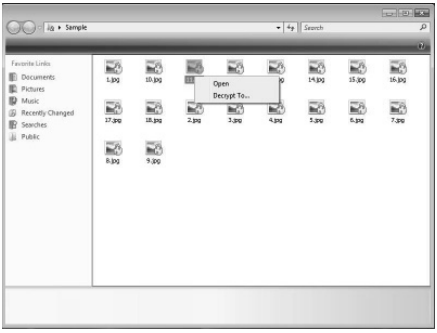


Encrypted file will have the extension ".opf" whereas the encrypted folder will have the extension ".opef".

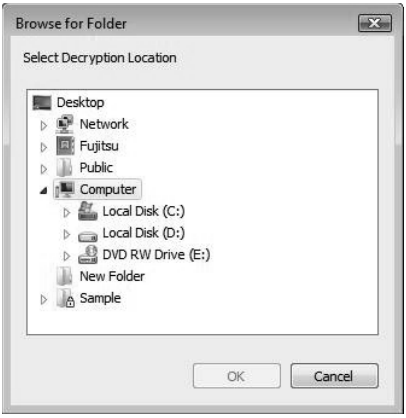


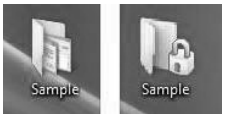
To decrypt a file or folder, right-click and select **OmniPass Decrypt File(s)**. You will need to authenticate to OmniPass for the decryption process.

As mentioned earlier, when encrypting a folder, the folder and all the files in this folder will be encrypted. Files that are copied into this encrypted folder will also be encrypted. The files in this folder can be read and modified and they will be encrypted automatically once saved and closed as long as they remain in that folder. In order to decrypt a file in the encrypted folder, you can right-click on the file and select **Decrypt To…**.



You need to select a target location for the file to be decrypted. However, the original encrypted file will still remain in the encrypted folder.





Sample icon for encrypted file versus icon for non-encrypted file is shown above.

Backup and Restore OmniPass User Profiles

■ Backup OmniPass User Profile

Select **Backup a user's OmniPass profile** to back up the OmniPass user profile thru the OmniPass Enrollment Wizard.

Enrollment Wizard Menu
Please select the function you wish to perform using the enrollment wizard. Please note that for most functions, the enrollment wizard will automatically end if the task is performed successfully.
Add a new user to OmniPass
Remove a user from OmniPass
Backup a user's OmniPass profile
Restore a user's OmniPass profile
Modify a user's device enrollment
Help
Done

You will need to authenticate to backup your profile and to save the profile (".opi") in the desired location upon successful authentication.

The user profile contains all your user specific OmniPass data. It is encrypted and password protected. However, this profile does not contain any of the encrypted data files. You can associate a password with the backup profile.

Backup File Password
Please provide a password that will be used to protect the user's profile backup file.
NOTE: Save the profile backup file and this password in a safe place. You will not be able to restore the profile later unless this password is provided.
Password:
****
OK

■ Restore OmniPass User Profile

To restore a user profile, select the **Restore a user's OmniPass profile** and select the profile to be restored.

Enrollment Wizard Menu
Please select the function you wish to perform using the enrollment wizard. Please note that for most functions, the enrollment wizard will automatically end if the task is performed successfully.
Add a new user to OmniPass
Remove a user from OmniPass
Backup a user's OmniPass profile
Restore a user's OmniPass profile
Modify a user's device enrollment
Help
Done

You may be prompted for a password for the backup profile if it is password-protected.

Backup File Password
Please provide the password that was used to protect the user's backup profile. You need this password to unlock the backup profile so that the user information can be restored.
Password:
****
OK

When selecting the .opi file in a restore, OmniPass will prompt you for authentication. The credentials that will allow a user profile to be imported are the Windows login credentials of the exported user. They are the credentials that had to be submitted when the user profile was exported. You will need **User Name**, **Password**, and **Domain**.

OmniPass Control Center Overview

The OmniPass Control Center can be accessed by the following:-

- Clicking on the Windows taskbar; select **All Programs**; select **Softex**; click **OmniPass Control Center**
- Double-click on the Softex OmniPass in the Control Panel
- Right-click on the OmniPass icon from the notification area in the right corner of the screen and click **Open**.

There are five main portions in the OmniPass Control Center namely:-

- Manage Your Passwords
- Protect Your Files
- Change Your User Settings
- Change Your System Settings
- Run Enrollment Wizard

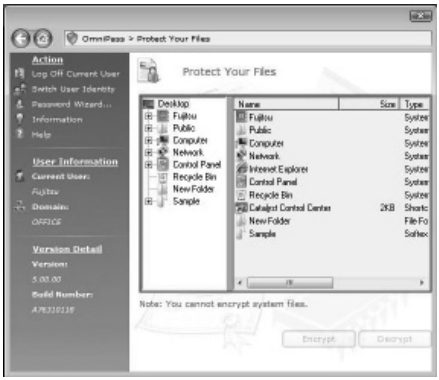
■ Manage Your Passwords

Please refer to **Password Management** section for the **Manage Your Passwords** portion of the Control Center.

■ Protect Your Files

In this portion of the OmniPass Control Center, **Protect Your Files** provides a Windows Explorer feel of the files and folders that you can encrypt and decrypt. However, files that are in use cannot be encrypted. This also includes system files and the folder OmniPass is installed. You will be prompted to authenticate with OmniPass for an encrypt/ decrypt process.

Please refer to **File and Folder Encryption** section for more info.



■ Change Your User Settings

With this selection, you can adjust your preferences such as: Audio setting, Taskbar tips, Authentication Window setting and File Encryption setting.

You can set how OmniPass can notify a user in the event of a successful login or denied access through the **Change user audio settings** and the **Change taskbar tips shown to the user** interfaces.

You also can set the appearance of the OmniPass Authentication window through the **Change authentication window settings**, whether you prefer a transparent or solid window.

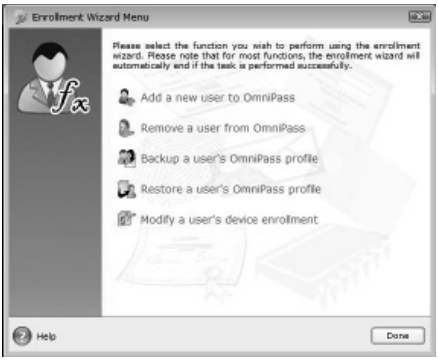
■ Change Your System Settings

OmniPass system settings refer to the setting of your OmniPass software and the setting will apply to all the users who logs on to the system.

Through the **Modify OmniPass startup options**, you can determine whether a user is set to automatically logged on to OmniPass at startup, manually log on to OmniPass at startup or do not log on to OmniPass at startup.

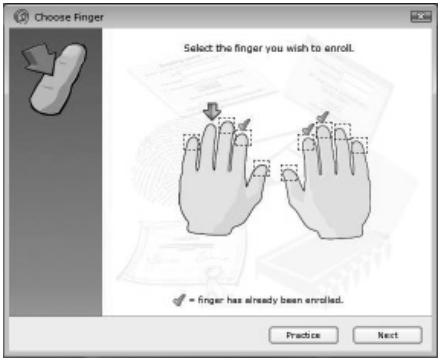
The second selection: **Modify Windows Fast User Switching Option** allows Windows users to switch between their Windows desktops using OmniPass. This feature should only be enabled if your system is not protected by Ctl+Alt+Del at logon.

■ Run Enrollment Wizard


Enrollment Wizard Menu
Please select the function you wish to perform using the enrollment wizard. Please note that for most functions, the enrollment wizard will automatically end if the task is performed successfully.
Add a new user to OmniPass
Remove a user from OmniPass
Backup a user's OmniPass profile
Restore a user's OmniPass profile
Modify a user's device enrollment
Help
Done

In this portion, you can add/remove user to/ from OmniPass, backup/restore a user's OmniPass profile as well as to modify a user's device enrollment.

You will need to authenticate with OmniPass whenever you wish to modify the user's device enrollment. For an example, you can enroll more fingers with OmniPass and it is not limited to just one or two fingers.



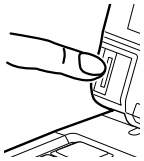
Note: The OmniPass guide indicated in this manual serves as a rough guide to the usage of the OmniPass software and the diagram may differ from the version installed in the user's system. Please refer to the user's manual in the OmniPass software for more information and details.

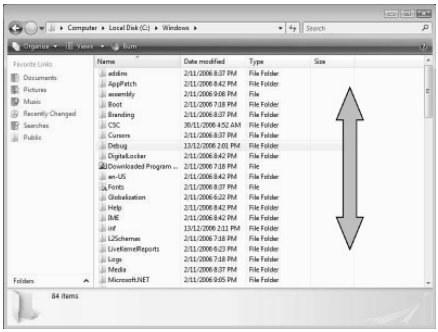
Version Information

Version information on fingerprint authentication utility is displayed in the left-hand-side pane of the window.

Scrolling

The Fingerprint sensor now comes with a scrolling function. Taking advantage of the sensor's technology, users will be able to scroll up and down a document by swiping the finger upwards to scroll up and swiping down to scroll down.





Shock Sensor Utility

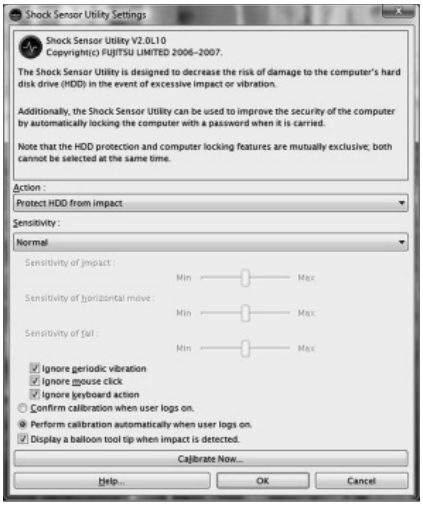
General information

The Shock Sensor Utility is designed to decrease the risk of damage to the computer's hard disk drive (HDD) in the event of excessive impact or vibration. Additionally, the Shock Sensor Utility has the ability to improve the security of the computer by automatically locking the computer with a password when it is carried. Note that the HDD protection and computer locking features are mutually exclusive; both cannot be selected at the same time.

Setting up the Shock Sensor Utility

1. Double-click the Shock Sensor Utility icon ( ) in the Notification Area at the bottom-right of the screen. The [Shock Sensor Utility] window appears.

2. Click the [Setting] button ( ). The [Shock Sensor Utility Settings] window appears.


Shock Sensor Utility Settings
Shock Sensor Utility V2.0L10
Copyright(c) FUJITSU LIMITED 2006-2007.
The Shock Sensor Utility is designed to decrease the risk of damage to the computer's hard disk drive (HDD) in the event of excessive impact or vibration.
Additionally, the Shock Sensor Utility can be used to improve the security of the computer by automatically locking the computer with a password when it is carried.
Note that the HDD protection and computer locking features are mutually exclusive; both cannot be selected at the same time.
Action :
Protect HDD from impact
Sensitivity :
Normal
Sensitivity of impact :
Min
Max
Sensitivity of horizontal move :
Min
Max
Sensitivity of fall :
Min
Max
Ignore periodic vibration
Ignore mouse click
Ignore keyboard action
Confirm calibration when user logs on.
Perform calibration automatically when user logs on.
Display a balloon tool tip when impact is detected.
Calibrate Now...
Help...
OK
Cancel

- **Action**
  Select the action you wish this utility to perform:
  - Protect HDD from impact
    HDD head is retracted when an impact to the computer is detected.
  - Lock computer when carried
    Lock the computer when it is being carried.
  - Nothing
    No action.

- **Sensitivity of impact/horizontal move/ fall/carry detection**
  Adjust the sensitivity of the acceleration sensor based on system motion or impact.

- **Ignore periodic vibration**
  If vibration is periodic, disregard it.

- **Ignore mouse click**
  When the mouse is clicked, sensitivity is temporarily lowered.

- **Ignore keyboard action**
  When the keyboard is used, sensitivity is temporarily lowered.

- **Confirm calibration when user logs on**
  Select [Confirm calibration when user logs on] if you want to recognize the current orientation as horizontal at logon.

- **Perform calibration automatically when user logs on**
  Select [Perform calibration automatically when user logs on] if the system is normally used on a horizontal surface.

- **Display a balloon tool tip when impact is detected**
  When this is selected, a message is displayed from the Shock Sensor Utility icon ( ) in the Notification Area when an impact is detected.

- **[Calibrate Now]**
  The calibration is executed. Please position the computer as horizontally as possible, then click the [Calibrate Now] button. The current horizontal position will be recognized as the true horizontal by performing the calibration.

3. Click the [OK] or [Cancel] button ( ). The [Setup] window closes.

Notes

Before using the Shock Sensor utility, please be aware of the following points.

- The Shock Sensor Utility does not completely protect the HDD of the computer.
- The Shock Sensor Utility does not provide the computer with absolute security.
- The computer may stop temporarily while HDD head is being retracted. To start the computer again, please keep it horizontal.
- The Shock Sensor Utility does not protect an external HDD; it only protects the HDD built into the computer.
- The Shock Sensor works only when a user is logged onto the computer. It does not work when the computer is shut down, when a user is not logged on, when in sleep mode, or while being shut down.
- The “Lock computer when carried” function is available only on certain models. This function can be selected from the menu of those models which support it.
- While the Shock Sensor Utility Settings window is displayed, the “Lock computer when carried” function does not work. Please close the window to use the function.

System Requirements

The Shock Sensor Utility runs under the following operating environment.

System	Requirements
OS	Microsoft® Windows Vista™ Ultimate Microsoft® Windows Vista™ Home Premium Microsoft® Windows Vista™ Home Basic Microsoft® Windows Vista™ Business Microsoft® Windows Vista™ Enterprise Microsoft® Windows 7™ Starter Microsoft® Windows 7™ Home Premium Microsoft® Windows 7™ Professional Microsoft® Windows 7™ Ultimate Microsoft® Windows 7™ Enterprise
Available hard disk space	3 MB or more

4

User-Installable Features

Lithium ion Battery

Your LifeBook T901 Series Tablet PC has a Lithium ion battery that provides power for operating your Tablet PC when no external power source is available. The battery is durable and long lasting, but should not be exposed to extreme temperatures, high voltages, chemicals or other hazards.

The Lithium ion battery operating time may become shorter if it is used under the following conditions:

- When used at temperatures that exceeds a low of 41°F (5°C) or a high of 95°F (35°C). Extreme temperatures not only reduce charging efficiency, but can also cause battery deterioration. The Charging icon on the Status Indicator panel will flash when you try to charge a battery that is outside its operating temperature range.
- When using a high current device such as a modem, CD-ROM drive or the hard drive, using the AC adapter will conserve your battery life.

CAUTION

Do not leave a faulty battery in your Tablet PC. It may damage your AC adapter, another battery or your Tablet PC itself. It may also prevent operation of your Tablet PC by draining all available current into the bad battery.

POINT

Actual battery life will vary based on screen brightness, applications, features, power management settings, battery condition and other customer preferences. CD-ROM drive or hard drive usage may also have a significant impact on battery life. The battery charging capacity is reduced as the battery ages. If your battery is running low quickly, you should replace it with a new one.

Recharging the Batteries

If you want to know the condition of the primary Lithium ion battery, check the Battery Level indicator located on the Status Indicator panel. The indicator changes as the battery level changes.

The Lithium ion battery is recharged internally using the AC adapter. To recharge the battery make sure the battery that needs to be charged is installed in your Tablet PC and connect the AC adapter.

POINT

Make sure that the Battery Charging indicator and the percentage charge is shown inside the Battery Level icon on the Status Indicator Panel.

There is no memory effect on the Lithium ion battery therefore you do not need to discharge the battery completely before recharging. The charge times will be significantly longer if your Tablet PC is in use while the battery is charging. If you want to charge the battery more quickly, put your Tablet PC into Standby mode, or turn it off while the adapter is charging the battery.

POINT

Using heavy current devices such as Modem or frequent CD-ROM and PCMCIA powered external devices accesses may prevent charging completely.

Low Battery State

When the battery is running low, your Tablet PC will beep every 15 seconds and the Battery Level indicator will flash. If you do not respond to the low battery alarm, the batteries will continue to discharge until they are too low to operate. When this happens there will be a multiple beep alarm and the Battery Level indicator will show a dead battery. Your Tablet PC will then go into Standby mode to try and protect your data for as long as possible. There is no guarantee that your data will not be lost once the Tablet PC reaches this point.

CAUTION

- You may not be able to hear the alarm if the volume control is set too low or is turned off by the hardware or software. However, you will be able to see the Battery Level indicator flash. Once the low battery alarm occurs you must save all your data and put your Tablet PC into Standby mode until you can provide a new power source. You should provide a charged battery or AC Adapter as soon as possible.
- When you are in Standby mode there must always be at least one power source active. If you remove all power sources while your Tablet PC is in Standby mode, any data that has not been saved to the hard drive will be lost.

Dead Battery Suspend mode shows on the Status indicator just like the normal Standby mode. Once your Tablet PC goes into Dead Battery Suspend mode you will be unable to resume operation until you provide a source of power either from an adapter, or a charged battery. Once you have provided power, you will need to press the Suspend/Resume button to resume operation. In the Dead Battery Suspend mode, your data can be maintained for some time, but if a power source is not provided promptly, the Power indicator will stop flashing and go out, meaning that you have lost the data that was not stored. Once you provide power, you can continue to use your Tablet PC while an adapter is charging the battery.

Shorted Batteries

The Status Indicator panel uses a symbol inside the battery outline of the Battery Level indicator to display the operating level available in that battery. If this display shows a Shorted Battery, it means that the battery is damaged and must be replaced so it does not damage any other parts of your Tablet PC.

Replacing the Battery

Your LifeBook T901 Series Tablet PC comes with one battery pack; you might want to consider purchasing a spare. By keeping a spare battery fully charged, you can immediately swap with one that is not charged. There are two ways to swap batteries: cold-swapping and warm-swapping. Cold swapping means swapping batteries when the system has been powered down; warm swapping is performed when the system is in Standby mode.

Cold-swapping Batteries

To cold-swap batteries in your battery bay follow these easy steps: *(Figure 4-1)*

1. Have a charged battery ready to install.
2. Shut down your Tablet PC and disconnect the AC adapter.
3. Press the battery release latches to open the compartment.
4. Remove the battery from the compartment.
5. Slide the new battery into the compartment.
6. Close the compartment and the battery release latches will click into place.
7. Plug in the AC adapter and turn the power on.

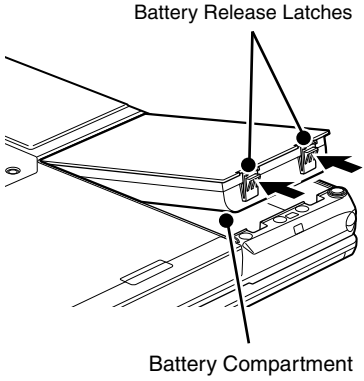


Figure 4-1. Removing the Battery

Memory Upgrade Module

Your Fujitsu LifeBook T901 Series Tablet PC comes with a minimum of 256 MB of high speed Double Data Rate Synchronous Dynamic RAM (DDR3 SDRAM), 1066 MHz factory installed. To increase your system's memory capacity, you may install an additional memory upgrade module. The memory upgrade must be a dual-in-line (DIMM) SDRAM module. To ensure 100% compatibility, purchase the SDRAM module only from the Fujitsu store.

CAUTION

Do not remove any screws from the memory upgrade module compartment except those specifically shown in the directions for installing and removing the memory upgrade module.

Installing Memory Upgrade Modules

1. Turn off power to your Tablet PC and remove any attached power adapter.
2. Make sure that all connector covers are closed.
3. Turn the Tablet PC bottom side up, and remove the screws of the memory upgrade module compartment. *(Figure 4-2)*
4. Remove the cover.

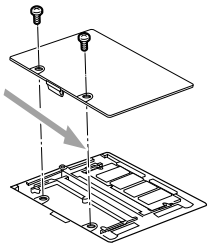


Figure 4-2. Opening the Memory Upgrade Compartment

5. Remove the memory upgrade module from the static guarded sleeve.
6. Align the memory upgrade module with the component side up. Align the connector edge of the memory upgrade module with the connector slot in the compartment. *(Figure 4-3)*
7. Insert the memory upgrade module at a 45° angle. Press the connector edge of the module firmly down and into the connector until it lodges under the retaining clip. You will hear a click when it is properly in place.

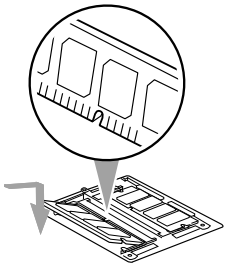


Figure 4-3. Installing a Second Memory Module

8. Replace the cover. *(Figure 4-4)*
9. Replace the screws.

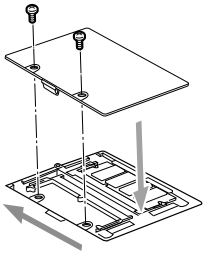


Figure 4-4. Replacing the Memory Compartment Cover

POINT

The memory upgrade module is not something you routinely remove from your notebook. Once it is installed, you should leave it in place unless you want to change system memory capacity.

Removing a Memory Upgrade Module

1. Perform steps 1 through 4 of Installing a Memory Upgrade Module.
2. Pull the clips sideways away from each side of the memory upgrade module at the same time.
3. While holding the clips out, remove the module from the slot by lifting it up and pulling towards the rear of your notebook. *(Figure 4-5)*

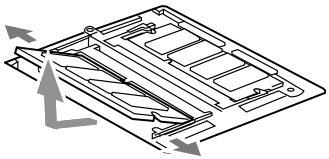


Figure 4-5. Removing a Memory Upgrade Module

4. Store the memory upgrade module in a static guarded sleeve.
5. Replace the cover. *(Figure 4-4)*
6. Replace the screws.

Checking the Memory Capacity

Once you have changed the system memory capacity by either adding or removing a memory upgrade module, be sure to check that your notebook has recognized the change.

Your LifeBook T901 Series Tablet PC is designed to share system memory with video memory, using Dynamic Video Memory Technology (DVMT).

As a result, the amount of memory that appears on your screen is reduced by the amount of DVMT that have allocated to video memory.

You can check the memory capacity by clicking [Start] → Control Panel, then double-clicking the System icon. Select the General tab and check the amount of memory under “Computer:”.

The default 8MB is dedicated to video memory by Intel Chipset, and if the system has 256 MB of RAM installed, the display will indicate that there is 248 MB of RAM installed.

POINT

If the total memory displayed is incorrect, check that your memory upgrade module is properly installed.

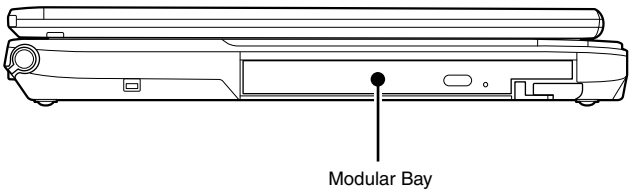


Figure 4-6. Modular Bay

Modular Bay Devices

Your Fujitsu Tablet PC contains a Modular Bay. The Modular Bay can house an optical drive, a Lithium ion battery, and a weight saver. *(Figure 4-6)*

Your Modular Bay will have one of the following devices installed.

- Modular Super-Multi DVD drive: This allows you to access movies, software, and audio DVD/CDs and record to DVD, CD, and DVD-RAM discs.
- Modular DVD/CD-RW combo drive: This allows you to access movies, software, and audio DVD/CDs as well as to write to CDs.
- Modular Lithium ion battery: This is a rechargeable battery that can be used to power your Tablet PC when an adapter is not connected.
- Weight Saver: This is used to fill the bay when no device is needed.

Fujitsu Tablet Controls CD/DVD Drive Help

The CD/DVD Drive tab of the Fujitsu Tablet Controls utility allows you to enable or disable your CD or DVD drive when the Tablet PC is used in "undocked" (i.e., not connected to a port replicator) tablet mode.

POINT

The CD or DVD drive in your Tablet PC is designed to work optimally when the system is lying flat on a stable surface. Using the drive while the system is not on a flat surface could result in damage to the drive and/or the media. You are strongly advised not to use the drive while the system is in undocked tablet mode.

Using the Optical Drive Disabling Feature

The CD/DVD tab of the Fujitsu Tablet Controls window consists of three checkboxes:

- Lock CD/DVD drive when the unit is in tablet mode.
- Show tray icon when CD/DVD drive is locked.
- Show notification messages when CD/DVD drive is locked/unlocked.

Lock CD/DVD drive when the unit is in tablet mode:
This checkbox should normally be checked (see "Important Notes" above). If you would like to access the CD/DVD drive while your system is in undocked tablet mode, deselect this checkbox. A message will appear asking if you really want to unlock the drive. Click [OK] to proceed, or [Cancel] to return to the utility.

Show tray icon when CD/DVD drive is locked:
This checkbox should normally be checked. If you would not like the Fujitsu Tablet Controls icon to appear in the system tray when the drive is locked, clear this box.

Show notification messages when CD/DVD drive is locked/unlocked:
This checkbox should normally be checked. If you would not like to be prompted when the drive is locked or unlocked, clear this box.

Buttons

- Click the [OK] button to accept the changes and close the window.
- Click the [Apply] button to accept the changes and leave the window open.
- Click the [Cancel] button to close the window without accepting the change.
- Click the [Help] button to view the help file associated with the selected tab within Fujitsu Tablet Controls.

System Tray Icon

When your system is in undocked tablet mode, and the "Lock CD/DVD drive when the unit is in tablet mode" box is checked, a Fujitsu Tablet Controls icon will appear at the bottom right of the display. When you select this icon, a menu will appear containing three items:

- Lock CD/DVD drive when the unit is in tablet mode.
- Show tray icon when CD/DVD drive is locked.
- Show notification messages when CD/DVD drive is locked/unlocked.

Unlock CD/DVD Drive for this tablet session
When you click this menu item, you will be asked whether you really want to unlock the drive. To unlock the drive, click [Yes]. Note that enabling the drive in this manner will not change the setting in the Fujitsu Tablet Controls control panel applet.

Configure
When you click this menu item, the Fujitsu Tablet Controls window appears.

About
When you click About, the help file will open.

Removing and Installing Modular Devices

There are two ways to remove and install modular devices in the Modular Bay:

- Cold-swapping: swapping devices while your Tablet PC is powered off.
- Hot-swapping: swapping devices while your system is active using the Unplug/Eject icon from your taskbar. Note that if the weight saver is installed rather than a modular device, it is not necessary to use BayManager when removing it.

CAUTION

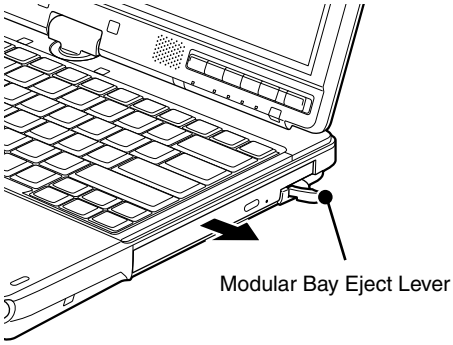
You should never leave your Modular Bay empty when the tablet is in operation. If left empty, dust or foreign matter may accumulate inside the tablet.

Cold-swapping

To cold-swap modular devices in your Modular Bay follow these easy steps: *(Figure 4-7)*

1. Close any open files.
2. Shut down your Tablet PC.
3. Pull out the Modular Bay eject lever. This will push your device out slightly, allowing you to remove it.

4. Slide your device out until it is clear of the bay. This will require light force.



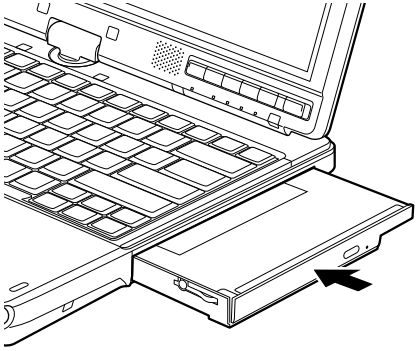


Figure 4-7. Removing/Installing a device in the Modular Bay

CAUTION

You should never leave your Modular Bay empty when the tablet is in operation. If left empty, dust or foreign matter may accumulate inside the tablet.

5. Slide the device you are installing into your tablet until it clicks into place.
6. It is now safe to turn your tablet back on.
7. You can now access and use the device.

Your Tablet PC will automatically detect the new device and activate it within your system. The drive letters associated with the device will be created and listed under My Computer and Windows Explorer.

Hot-swapping

Hot-swapping is provided through the Unplug or Eject Hardware utility. The icon for the utility appears on the taskbar. Click on the icon and follow the on-screen instructions.

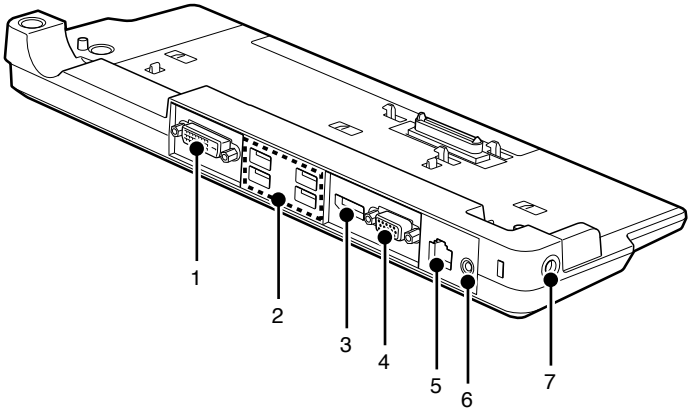


Figure 4-8. Port Replicator rear panel

Port Replicator

An optional Port Replicator is available from Fujitsu to support your LifeBook T901 Series Tablet PC. The Port Replicator extends the functionality of your Tablet PC by providing ports to connect USB devices, an external monitor, external speaker, or a LAN device. The Port Replicator connects to the bottom of your Tablet PC.

Rear Panel Components

Following is a brief description of the optional Port Replicator's rear panel components.

1. **External DVI Port**
   The external Digital Video Interface (DVI) port allows you to connect an external digital flat-panel monitor or projector. This provides a pure digital video signal for digital monitors.

2. **USB 2.0 Ports**
   The four USB 2.0 ports allow you to connect USB devices such as game pads, pointing devices, and keyboards. USB 2.0 is downward-compatible with USB 1.1 devices, so older USB devices will work with these ports. USB 2.0 is a much faster design, running 40 times faster than USB 1.1.

3. **Display Port**
   You can use this port to connect to a TV with DisplayPort for high quality video output. The DisplayPort supports both video and audio output.

4. **External Monitor Port**
   The external monitor port allows you to connect an external monitor. Note that if a Port Replicator is attached, you must use the external monitor port on the Port Replicator. (Figure 4-8)

5. **LAN (RJ-45) Jack**
   The LAN jack allows you to connect a LAN to the Port Replicator. Note that when the system is attached to the Port Replicator, the LAN Jack on the Port Replicator should be used, not the one on the system.

6. **Line Out Jack**
   The line out jack is used for connecting an external speaker. Note that line out does not provide power, so the speaker must be externally powered.

7. **DC Power Jack**
   The DC power jack allows you to plug in the AC adapter to power your Tablet PC and charge the internal Lithium ion battery.

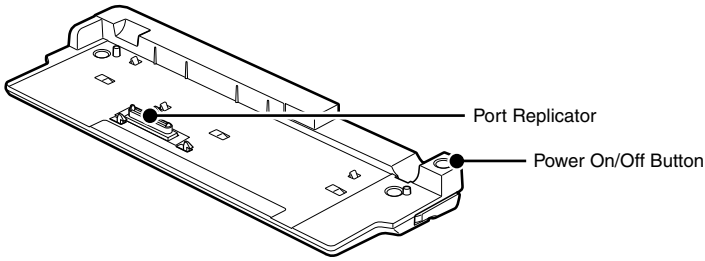


Figure 4-9. Port Replicator front panel

Front Panel Components

Following is a brief description of the optional Port Replicator's front panel components.

Docking Port
The docking port connects the Port Replicator to your Tablet PC. *(Figure 4-9)*

Port Replicator Release Latch
Slide the Port Replicator Release Latch sideways to remove the Port Replicator from your Tablet PC. *(Figure 4-9)*

Power On/Off Button
The Power On/Off button on the port replicator performs the same as the system Suspend/ Resume button. The Power On/Off button allows you to suspend Tablet PC activity without powering off, resume your Tablet PC from standby mode, and power on your system when it has been shut down from the Windows operating system.

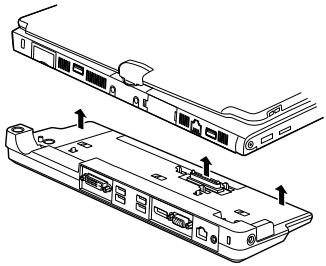


Figure 4-10. Attaching the Port Replicator

CAUTION

Before docking or undocking your notebook with the port replicator, be sure to touch a grounded metal object to prevent electrostatic discharge from affecting the computer components.

Attaching the Port Replicator

To attach the Port Replicator, align the Port Replicator connector on the bottom of your Tablet PC with the connector on the Port Replicator and push together at the two corners. *(Figure 4-10)*

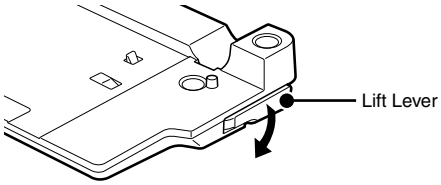


Figure 4-14. Unlatching the Port Replicator

Detaching the Port Replicator

To detach the Port Replicator:

1. Slide the Port Replicator release latch to release the Port Replicator from your Tablet PC. *(Figure 4-11)*
2. Pull away the Port Replicator to detach it from your Tablet PC. *(Figure 4-12)*

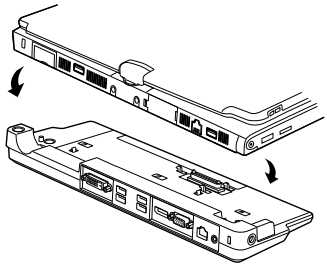


Figure 4-12. Removing the Port Replicator

5

Troubleshooting

Troubleshooting

Your LifeBook T901 Series Tablet PC is sturdy and subject to few problems in the field. However, you may encounter simple setup or operating problems that you can solve on the spot, or problems with peripheral devices, that you can solve by replacing the device. The information in this section helps you isolate and resolve some of these straightforward problems and identify failures that require service.

Identifying the Problem

If you encounter a problem that you are having difficulty in solving, go through the following procedure before pursuing further troubleshooting:

1. Turn off your Tablet PC.
2. Make sure the AC adapter is plugged into your Tablet PC and to an active AC power source.
3. Make sure that any card installed in the PC Card slot is seated properly. You can also remove the card from the slot, thus eliminating it as a possible cause of failure.
4. Make sure that any devices connected to the external connectors are plugged in properly. You can also disconnect such devices, thus eliminating them as possible causes of failure.
5. Turn on your Tablet PC. Make sure it has been off at least 10 seconds before you turn it on.
6. Go through the boot sequence.
7. If the problem has not been resolved, refer to the Troubleshooting Table, that follows, for more detailed troubleshooting information.

POINT

- If you keep notes about what you have tried, your support representative may be able to help you more quickly by giving additional suggestions over the phone.
- Do not return a failed Tablet PC to your supplier until you have talked to a support representative.

8. If you have tried the solutions suggested in the Troubleshooting Table without success, contact your support representative.

Before you place the call, you should have the following information ready so that the customer support representative can provide you with the fastest possible solution:

- Product name
- Product configuration number
- Product serial number
- Purchase date
- Conditions under which the problem occurred
- Any error messages that have occurred
- Hardware configuration
- Type of device connected, if any

See the Configuration Label on the bottom of your Tablet PC for configuration and serial numbers.

Specific Problems

Using the Troubleshooting Table

When you have problems with your Tablet PC, try to find the symptoms under the Problem column of the troubleshooting table for the feature giving you difficulty.

You will find a description of common causes for that symptom under the column Possible Cause and what, if anything, you can do to correct the condition under Possible Solutions. All possible causes or solutions may not apply to your Tablet PC.

Problem	Possible Cause	Possible Solution
Audio Problem		
There is no sound coming from the built-in speakers	The Software volume control is set too low.	Adjust the sound volume control settings in your software, operating system and applications.
	Headphones are plugged into your Tablet PC.	Plugging in headphones disables the built-in speakers, remove the headphones.
	Software driver is not configured correctly.	Refer to your application and operating system documentation for help.
	Sound could have been muted with function keys.	Press [F3] while holding the [Fn] key to toggle the sound on and off.
Port Replicator Problems		
Tablet PC does not turn on when installed in optional Port Replicator	Port Replicator AC adapter is not plugged in.	Provide power to the Port Replicator.
	Tablet PC is not properly seated in the Port Replicator.	Remove and re-dock your Tablet PC.
Hard Drive Problems		
You cannot access your hard drive.	The setup utility is incorrectly set for your internal (Primary Master) or optional second hard drive (Primary Slave).	Revise BIOS settings to set both Primary Master and Primary Slave correctly.
	The wrong drive designator was used by an application when a bootable CD-ROM was used to start the Tablet PC.	Verify drive designator used by application is in use by the operating system. When the operating system is booted from a CD, drive designations are automatically adjusted.
	Security is set so your operating system cannot be started without a password.	Verify your password and security settings.

Problem	Possible Cause	Possible Solution
Keyboard or Mouse Problems		
The built-in keyboard does not seem to work.	The Tablet PC has gone into Standby mode.	Push the **Suspend/Resume** button.
	Your application has locked out your keyboard.	Try to use your integrated pointing device to restart your system. If this fails, turn your Tablet PC off by pressing the power/suspend/resume button for 10 seconds or more, and then turn it back on.
	The NumLock key has been toggled on.	Press the NumLock key to toggle it off.
You have installed an external keyboard or mouse, and it does not seem to work.	Your external device is not properly installed.	Re-install your device.
	Your operating system software is not set up with the correct driver for that device.	Check your device and operating system documentation and activate the proper driver.
You have connected an external keyboard or a mouse and it seems to be locking up the system.	Your operating system software is not set up with the correct driver for that device.	Check your device and operating system documentation and activate the proper driver.
	Your system has crashed.	Try to restart your Tablet PC. If that fails, turn off the power by pressing the power/suspend/resume button for at least 10 seconds, and then power back on.
Pen Input Problems		
Cursor is not tracking the Pen.	The system may be uncalibrated.	If the cursor on the screen appears to be misaligned with the pen or is not accurately tracking the pen, calibrate the pen.

Problem	Possible Cause	Possible Solution
Memory Problems		
Your Power On screen, or Info menu of the BIOS setup utility information, does not show the correct amount of installed memory.	Your memory upgrade module is not properly installed.	Turn off your Tablet PC. Remove and re-install your memory upgrade module.
	You have a memory failure.	Check for Power On Self Test (POST) messages.
Modem Problems		
Messages about modem operation.	Messages about modem operation are generated by whichever modem application is in use.	See your application software documentation for additional information.
Modem does not appear to work.	Modem may not have been initialized.	Verify that the modem has been initialized by the operating system. TO do so, right-click on My Computer and select the Hardware tab. Click [Device Manager] and click on the “+” symbol that appears next to Modems. Verify that your device is listed as installed.

Problem	Possible Cause	Possible Solution
USB Device Problems		
You have installed a USB device, but your Tablet PC does not recognize the device, or the device does not seem to work properly.	The device is not properly installed.	Remove and re-install the device.
	The device may have been installed while an application was running, so your Tablet PC is not aware of its installation.	Close the application and restart your Tablet PC.
	Your software may not have the correct software driver active.	See your software documentation and activate the correct driver.
	Your device and another device are assigned the same I/O address.	Check all I/O addresses located within the BIOS setup utility and any other installed hardware or software to make sure there are no duplications.
PC Card Problems		
A card inserted in the PC Card slot does not work or is locking up the system.	The card is not properly installed.	Remove and re-install the card.
	The card may have been installed while an application was running, so your Tablet PC is not aware of its installation.	Close the application and restart your Tablet PC.
	Your software may not have the correct software driver active.	See your software documentation and activate the correct driver.
	Your PC Card device and another device are assigned the same I/O address.	Check all I/O addresses located within the BIOS setup utility and any other installed hardware or software to make sure there are no duplications.

Problem	Possible Cause	Possible Solution
Power Failures		
You turn on your Tablet PC and nothing seems to happen.	The installed battery is completely discharged or there is no power adapter installed.	Check the Status Indicator Panel to determine the presence and condition of the battery. Install a charged battery or a Power adapter.
	The battery is installed but is faulty.	Use the Status Indicator Panel to verify the presence and condition of the battery. If a battery is indicating a short, remove that battery and operate from another power source or replace that battery.
	The battery is low.	Check the Status Indicator Panel to determine the presence and condition of the battery. Use a Power adapter until the battery is charged.
	The AC or auto/airline adapter is not plugged in properly.	Verify that your adapter is connected correctly.
	The Power adapter has no power from the AC outlet, airplane seat jack, or the car's cigarette lighter.	Move the AC cord to a different outlet, check for a line switch or tripped circuit breaker for the AC outlet.
	The Power adapter is faulty.	Try a different Power adapter or install a charged optional second battery.
Your Tablet PC turns off all by itself.	The power management parameters are set for auto timeouts which are too short for your operating needs.	Press any button on the keyboard, or move the mouse to restore operation. If that fails, push the Suspend/Resume button. Check your power management settings, or close your applications and go to the Power Savings menu of the setup utility to adjust the timeout values to better suit your operation needs.
	You are operating on battery power only and have ignored a low battery alarm until the battery is at the dead battery state and your machine has gone into Dead Battery Suspend mode.	Install a power adapter and then push the Suspend/Resume button.
	You have a battery failure.	Verify the condition of the battery using the Status Indicator panel, and replace or remove any battery that is shorted.
	Your power adapter has failed or lost its power source.	Make sure the adapter is plugged in and the outlet has power.

Problem	Possible Cause	Possible Solution
Power Failures		
Your Tablet PC will not work on battery alone.	The battery is dead.	Replace the battery with a charged one or install a Power adapter.
	No battery is installed.	Install a charged battery.
	The battery is improperly installed.	Verify that the battery is properly connected by re-installing them.
	Your battery is faulty.	Verify the battery condition using the Status Indicator panel and replace or remove any battery that is shorted.
The battery seems to discharge too quickly.	You are running an application that uses a great deal of power due to frequent hard drive or CD-ROM access, or use of a modem or LAN PC card.	Use a power adapter for this application when at all possible.
	The power savings features may be disabled.	Check the power management and/or setup utility settings in the Power Savings menu and adjust according to your operating needs.
	The brightness is turned all the way up.	Turn down the brightness adjustment. The higher the brightness the more power your display uses.
	The battery is very old.	Replace the battery.
	The battery has been exposed to high temperatures.	Replace the battery.
	The battery is too hot or too cold.	Restore the Tablet PC to normal operating temperature. The Charging icon on the Status Indicator panel will flash when the battery is outside its operating range.

Problem	Possible Cause	Possible Solution
Shutdown and Startup Problems		
The Suspend/ Resume button does not work.	The Suspend/Resume button is disabled from the Advanced submenu of the Power menu of the setup utility.	Enable the button from the setup utility.
	You did not hold the button in long enough.	Hold the button longer. This may need to be a few seconds if your application is preventing the CPU from checking for button pushes.
	There may be a conflict with the application software.	Close all applications and try the button again.
The system powers up, and displays power-on information, but fails to load the operating system.	The boot sequence settings of the setup utility are not compatible with your configuration.	Set the operatinag source by pressing the [ESC] key while the Fujitsu logo is on screen or use the [F2] key and enter the setup utility and adjust the source settings from the Boot menu.
	You have a secured system requiring a password to load your operating system.	Make sure you have the right password. Enter the setup utility and verify the Security settings and modify them as accordingly.
An error message is displayed on the screen during the Tablet PC boot sequence.	Power On Self Test (POST) has detected a problem.	See the Power On Self Test (POST) messages to determine the meaning and severity of the problem. Not all messages are errors; some are simply status indicators.
Your system display won't turn on when the system is turned on or when the system has resumed.	The system may be password-protected.	Check the status indicator panel to verify that the Security icon is blinking. If it is blinking, enter your password.
Your Tablet PC appears to change setup parameters when you start it.	BIOS setup changes were not saved when you made them and exited the BIOS setup utility returning it to previous settings.	Make sure you select Save Changes And Exit when exiting the BIOS setup utility.
	The BIOS CMOS back-up battery has failed.	Contact your support representative for repairs. This is not a user serviceable part but has a normal life of 3 to 5 years.

Problem	Possible Cause	Possible Solution
Video Problems		
The built-in display is blank when you turn on your Tablet PC.	The angle of the display and the brightness settings are not adequate for your lighting conditions.	Move the display and the brightness control until you have adequate visibility.
	The optional Port Replicator is attached, an external monitor is plugged in, and the Tablet PC is set for an external monitor only.	Pressing [F10] while holding down the [Fn] key allows you to change your selection of where to send your display video. Each time you press the combination of keys you will step to the next choice. The choices, in order are: built-in display only, external monitor only, both built-in display and external monitor.
	The power management timeouts may be set for very short intervals and you failed to notice the display come on and go off again.	Press any button the keyboard, or move the mouse to restore operation. If that fails, push the Suspend/Resume button. (The display may be shut off by Standy mode, Auto Suspend or Video Timeout.)
The Tablet PC turned on with a series of beeps and your built-in display is blank.	Power On Self Test (POST) has detected a failure which does not allow the display to operate.	Contact your support representative.
Your system display won't turn on when the system is turned on or when the system has resumed.	The system may be password-protected.	Check the status indicator panel to verify that the Security icon is blinking. If it is blinking, enter your password.
The display goes blank by itself after you have been using it.	The Tablet PC has gone into Video Timeout, Standby Mode, or Hibernate Mode because you have not used it for a period of time.	Press any button on the keyboard, or move the mouse to restore operation. If that fails, push the Suspend/Resume button. Check your power management settings, or close your applications and go to the Power Savings menu of the setup utility to adjust the timeout values to better suit your operation needs.
	The power management timeouts may be set for very short intervals and you failed to notice the display come on and go off again.	Press any button on the keyboard, or move the mouse to restore operation. If that fails, push the Suspend/Resume button. (The display may be shut off by Standby Mode, Auto Suspend or Video Timeout.)

Problem	Possible Cause	Possible Solution
Video Problems		
The display does not close.	A foreign object, such as a paper clip, is stuck between the display and the keyboard.	Remove all foreign objects from the keyboard.
The display has bright or dark spots.	If the spots are very tiny and few in number, this is normal for a large LCD display.	This is normal; do nothing.
	If the spots are numerous or large enough to interfere with your operation needs.	Display is faulty; contact your support representative.
The application display uses only a portion of your screen and is surrounded by a dark frame.	You are running an application that does not support 800 x 600/1024 x 768 pixel resolution display and display compression is enabled.	Display compression gives a clearer but smaller display for applications that do not support 800 x 600/1024 x 768 pixel resolution. You can fill the screen but have less resolution by changing your display compression setting. See the Video Features submenu, located within the Advanced menu of the BIOS.
You have connected an external monitor and it does not display any information.	Your BIOS setup is not set to enable your external monitor.	Try toggling the video destination by pressing [Fn] and [F10] together, or check your BIOS setup and enable your external monitor. (See the Video Features submenu, located within the Advanced Menu of the BIOS.)
	Your external monitor is not properly installed.	Reinstall your device.
	Your operating system software is not set up with the correct software driver for that device.	Check your device and operating system documentation and activate the proper driver.
You have connected an external monitor and it does not come on.	Your external monitor is not compatible with your Tablet PC.	See your monitor documentation and the External Monitor Support portions of the Specifications section.
Miscellaneous Problems		
An error message is displayed on the screen during the operation of an application.	Application software often has its own set of error message displays.	See your application manual and help displays screens for more information. Not all messages are errors some may simply be status.